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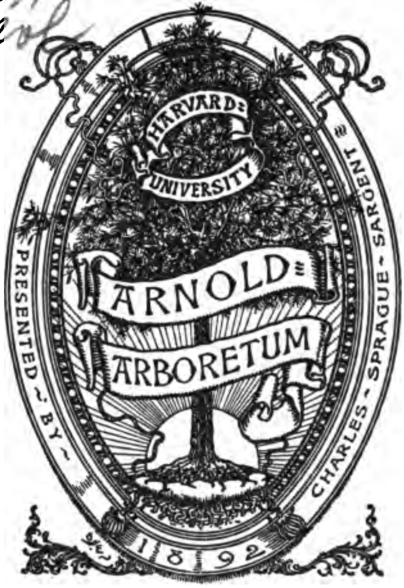

(9—320.)

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

LIST
OF THE
PUBLICATIONS
OF THE
UNITED STATES GEOLOGICAL SURVEY

CHARLES D. WALCOTT
DIRECTOR

WASHINGTON
GOVERNMENT PRINTING OFFICE
1895

Bd. Aug 1912
27095

PREFATORY NOTE.

The present list gives the titles of all the publications of the United States Geological Survey to date, including those in an advanced stage of preparation.

LAWS GOVERNING PUBLICATIONS.

The statute approved March 3, 1879, establishing the United States Geological Survey, contains the following provisions:

> The publications of the Geological Survey shall consist of the annual report of operations, geological and economic maps illustrating the resources and classification of the lands, and reports upon general and economic geology and paleontology. The annual report of operations of the Geological Survey shall accompany the annual report of the Secretary of the Interior. All special memoirs and reports of said Survey shall be issued in uniform quarto series if deemed necessary by the Director, but otherwise in ordinary octavos. Three thousand copies of each shall be published for scientific exchanges and for sale at the price of publication; and all literary and cartographic materials received in exchange shall be the property of the United States and form a part of the library of the organization; and the money resulting from the sale of such publications shall be covered into the Treasury of the United States.

Except in those cases in which an extra number of any special memoir or report has been supplied to the Survey by resolution of Congress or has been ordered by the Secretary of the Interior, this office has no copies for gratuitous distribution.

The following provision was included in an act of Congress approved March 2, 1895:

> *Provided,* That hereafter the report of the mineral resources of the United States shall be issued as a part of the report of the Director of the Geological Survey.

SUGGESTIONS TO THE PUBLIC.

Letters concerning publications should not refer to other subjects, and should relate only to the publications of the United States Geological Survey. Name and full address should be written plainly, and the applicant for a publication should give some indication of his reasons for desiring it. The indorsement of a member of Congress is advised in all cases. Correspondents will become disqualified as recipients of Survey publications if they attempt to have sendings duplicated.

Special attention is given to the requests of libraries, schools, colleges, and scientific museums, associations, or societies; but all such requests should be accompanied by information as to organization, membership, etc.

Requests for the publications of the Bureau of American Ethnology should be addressed to the Director of that Bureau.

Applications for publications relating to agriculture, lands, and soils should be addressed to the Secretary of Agriculture.

Inquiries concerning Government publications in general should be addressed to the Superintendent of Documents.

The present United States Geological Survey, which was organized in 1879, has no control over the publications of the several earlier surveys. With slight exception, the publications of the following-named surveys, most of which have been discontinued as organizations, are no longer available for distribution. They were issued by the Executive Departments indicated below, to the Secretaries of which all inquiries concerning them should be addressed.

WAR DEPARTMENT.

Various military surveys and explorations, and examinations and surveys of rivers and harbors.

Survey of the Northern and Northwestern Lakes, 1841–1885.

Pacific Railroad Survey, 1853–1856.

United States Geological Exploration of the Fortieth Parallel (King), 1867-1873.

United States Geological Survey West of the One Hundredth Meridian (Wheeler), 1872–1877.

Mississippi River Survey Commission, 1879 (continues).

DEPARTMENT OF STATE.

International boundary surveys since 1798.

TREASURY DEPARTMENT.

United States Coast and Geodetic Survey, 1806–1818, and since 1832 (continues).

NAVY DEPARTMENT.

Isthmian surveys, 1857–1872.

DEPARTMENT OF THE INTERIOR.

Subdivision and surveys of public lands since 1802 (continues).

United States Geological and Geographical Survey of the Territories (Hayden), 1867–1879.

United States Geographical and Geological Survey of the Rocky Mountain Region (Powell), 1870–1879.

EXCHANGE.

The special publications and memoirs of the Survey can be secured by book exchange. The matter offered in exchange must, in the opinion of the Librarian of the Geological Survey, be a desirable addition to the Survey library, and may consist of any book or pamphlet relating to geology, paleontology, geography, topography, engineering, mining, chemistry, physics, or other of the sciences, and cognate subjects. Special exchange arrangements are made with scientific authors and societies.

SALE.

Publications should be ordered by *number*.

Prepayment is obligatory.

Postage stamps, checks, and drafts can not be accepted. Money should be transmitted by *postal money order* or *express order*, made payable to the *Director of the United States Geological Survey*. The sending of currency in an unregistered letter is unsafe.

Correspondence relating to the publications of the Survey should be addressed

To the Director of the
United States Geological Survey,
Washington, D. C.

Nov. 1, 1895.

ANNUAL REPORTS.

First annual report of the United States Geological Survey to the Hon. Carl Schurz, Secretary of the Interior. By Clarence King, Director.—Washington: Government Printing Office. 1880.

8°. 79 pp. 1 map. (Out of print.)

A preliminary report, describing plan of organization and publications.

Second annual report of the United States Geological Survey to the Secretary of the Interior 1880–'81 by J. W. Powell Director [Vignette] Washington Government Printing Office 1882.

8°. lv, 588 pp. 62 pl. 1 map. (Out of print.)

CONTENTS.

Report of the Director. pp. xi–lv, pl. i–vii.

Administrative reports by the heads of divisions. pp. 3–46, pl. viii–ix.

The physical geology of the Grand Cañon district, by Clarence E. Dutton. pp. 47–166, pl. x–xxxvi.

Contributions to the history of Lake Bonneville, by G. K. Gilbert. pp. 167–200, pl. xxxvii–xliii.

Abstract of report on geology and mining industry of Leadville, Colorado, by S. F. Emmons. pp. 201–290, pl. xliv–xlv.

A summary of the geology of the Comstock lode and the Washoe district, by George F. Becker. pp. 291–330, pl. xlvi–xlvii.

Production of the precious metals in the United States, by Clarence King. pp. 331–401, pl. xlviii–liii.

A new method of measuring heights by means of the barometer, by G. K. Gilbert. pp. 403–566, pl. liv–lxii.

Index. pp. 567–588.

Third annual report of the United States Geological Survey to the Secretary of the Interior 1881–'82 by J. W. Powell Director [Vignette] Washington Government Printing Office 1883

8°. xviii, 564 pp. 67 pl. and maps. (Out of print.)

CONTENTS.

Report of the Director. pp. xv–xviii.

Administrative reports of chiefs of divisions. pp. 1–41, pl. i–ii.

Birds with teeth, by O. C. Marsh. pp. 45–88.

The copper-bearing rocks of Lake Superior, by Roland Duer Irving. pp. 89–188, pl. iii–xvii.

Sketch of the geological history of Lake Lahontan, a Quaternary lake of northwestern Nevada, by Israel C. Russell. pp. 189–235, pl. xviii–xxiii.

Abstract of report on geology of the Eureka district, Nevada, by Arnold Hague. pp. 237–290, pl. xxiv–xxv.

Preliminary paper on the terminal moraine of the second Glacial Epoch, by Thomas C. Chamberlin. pp. 291–402, pl. xxvi–xxxv.

A review of the non-marine fossil Mollusca of North America, by C. A. White. pp. 403–550, pl. i–xxxii.

Index. pp. 551–564.

Fourth annual report of the United States Geological Survey to the Secretary of the Interior 1882–'83 by J. W. Powell Director [Vignette] Washington Government Printing Office 1884

8°. xxxii, 473 pp. 85 pl. and maps.

CONTENTS.

Report of the Director. pp. xiii–xxxii, pl. i.

Administrative reports of chiefs of divisions. pp. 1–72.

Hawaiian volcanoes, by Clarence Edward Dutton. pp. 75–219, pl. ii–xxx.

Abstract of a report on the mining geology of the Eureka district, Nevada, by Joseph Story Curtis. pp. 221–251, pl. xxxi–xxxiii.

Popular fallacies regarding precious-metal ore deposits, by Albert Williams, jr. pp. 253–271.

A review of the fossil Ostreidæ of North America; and a comparison of the fossil with the living forms, by Charles A. White, with appendices by Prof. Angelo Heilprin and Mr. John A. Ryder. pp. 273–430, pl. xxxiv–lxxxii.

A geological reconnaissance in southern Oregon, by Israel C. Russell. pp. 431–464, pl. lxxxiii–lxxxv.

Index. pp. 465–473.

Fifth annual report of the United States Geological Survey to the Secretary of the Interior 1883–'84 by J. W. Powell Director [Vignette] Washington Government Printing Office 1885

8°. xxxvi, 469 pp. 58 pl. and maps.

CONTENTS.

Report of the Director. pp. xvii–xxxvi, pl. i–ii.

Administrative reports of chiefs of divisions. pp. 1–66.

The topographic features of lake shores, by G. K. Gilbert. pp. 69–123, pl. iii–xx.

The requisite and qualifying conditions of artesian wells, by Thomas C. Chamberlin. pp. 125–173, pl. xxi.

Preliminary paper on an investigation of the Archean formations of the northwestern states, by R. D. Irving. pp. 175–242, pl. xxii–xxxi.

The gigantic mammals of the order Dinocerata, by O. C. Marsh. pp. 243–302.

Existing glaciers of the United States, by Israel C. Russell. pp. 303–355, pl. xxxii–lv.

Sketch of paleobotany, by Lester F. Ward. pp. 357–452, pl. lvi–lviii.

Index. pp. 453–469.

Sixth annual report of the United States Geological Survey to the Secretary of the Interior 1884–'85 by J. W. Powell Director [Vignette] Washington Government Printing Office 1885

8°. xxix, 570 pp. 65 pl. and maps.

CONTENTS.

Report of the Director. pp. xv–xxix, pl. i–iii.
Administrative reports of chiefs of divisions. pp. 1–101, pl. iv–x.
Mount Taylor and the Zuñi plateau, by Clarence E. Dutton. pp. 105–198, pl. xi–xxii.
Preliminary paper on the driftless area of the upper Mississippi valley, by T. C. Chamberlin and R. D. Salisbury. pp. 199–322, pl. xxiii–xxix.
The quantitative determination of silver by means of the microscope, by Joseph Story Curtis. pp. 323–352, pl. xxx.
Preliminary report on sea-coast swamps of the eastern United States, by Nathaniel Southgate Shaler. pp. 353–398.
Synopsis of the flora of the Laramie group, by Lester F. Ward. pp. 399–557, pl. xxxi–lxv.
Index. pp. 559–570.

Seventh annual report of the United States Geological Survey to the Secretary of the Interior 1885–'86 by J. W. Powell Director [Vignette] Washington Government Printing Office 1888
8°. xx, 656 pp. 9 l. 71 pl. and maps.

CONTENTS.

Report of the Director. pp. 3–42.
Administrative reports of chiefs of divisions. pp. 43–143, pl. i–vii.
The rock-scorings of the great ice invasions, by T. C. Chamberlin. pp. 147–248, pl. viii.
Obsidian cliff, Yellowstone National Park, by Joseph P. Iddings. pp. 249–295, pl. ix–xviii.
Report on the geology of Martha's Vineyard, by Nathaniel S. Shaler. pp. 297–363, pl. xix–xxix.
On the classification of the early Cambrian and pre-Cambrian formations, by R. D. Irving. pp. 365–454, pl. xxx–li.
The structure of the Triassic formation of the Connecticut valley, by William Morris Davis. pp. 455–490, pl. lii.
Salt-making processes in the United States, by Thomas M. Chatard. pp. 491–535, pl. liii–lv.
The geology of the head of Chesapeake bay, by W. J. McGee. pp. 537–646, pl. lvi–lxxi.
Index. pp. 647–656.

Eighth annual report of the United States Geological Survey to the Secretary of the Interior 1886–'87 by J. W. Powell Director —Part 1 [-II]—[Vignette] Washington Government Printing Office 1889
8°. 2 pt. xix, 474, xii, pp. 53 pl. and maps; 1 pl., 475–1063 pp. 54–76 pl. and maps.

CONTENTS.

Report of the Director. pp. 1–93, pl. i.
Administrative reports of chiefs of divisions. pp. 95–257, pl. ii–xv.
Quaternary history of Mono valley, California, by Israel C. Russell. pp. 261–394, pl. xvi–xliv.
Geology of the Lassen peak district, by J. S. Diller. pp. 395–432, pl. xlv–li.
The fossil butterflies of Florissant, by Samuel H. Scudder. pp. 433–474, pl. lii, liii.
Index to part i. pp. i–xii.

The Trenton limestone as a source of petroleum and inflammable gas in Ohio and Indiana, by Edward Orton. pp. 475–662, pl. liv–lx.
The geographical distribution of fossil plants, by Lester F. Ward. pp. 663–960, pl. lxi.
Summary of the geology of the quicksilver deposits of the Pacific slope, by George F. Becker. pp. 961–985, pl. lxii–lxiii.
The geology of the island of Mount Desert, Maine, by Nathaniel Southgate Shaler. pp. 987–1061, pl. lxiv–lxxvii.
Index to part II. p. 1063.

Ninth annual report of the United States Geological Survey to the Secretary of the Interior 1887–'88 by J. W. Powell Director [Vignette] Washington Government Printing Office 1889
8°. xiii, 717 pp. 88 pl. and maps.

CONTENTS.

Report of the Director. pp. 1–46.
Administrative reports of chiefs of divisions. pp. 47–199, pl. i–vi.
The Charleston earthquake of August 31, 1886, by Clarence Edward Dutton. pp. 203–528, pl. vii–xxxi.
The geology of Cape Ann, Massachusetts, by Nathaniel Southgate Shaler. pp. 529–611, pl. xxxii–lxxvii.
Formation of travertine and siliceous sinter by the vegetation of thermal springs, by Walter Harvey Weed. pp. 613–676, pl. lxxviii–lxxxvii.
On the geology and physiography of a portion of northwestern Colorado, and adjacent parts of Utah and Wyoming, by Charles A. White. pp. 677–712, pl. lxxxviii.
Index. pp. 713–717.

Tenth annual report of the United States Geological Survey to the Secretary of the Interior 1888–'89 by J. W. Powell Director Part I—geology [–II—irrigation] [Vignette] Washington Government Printing Office 1890
8°. 2 pt. xv, 774 pp. 98 pl. and maps; viii, 123 pp.

CONTENTS.

Pt. 1. Geology. xv, 774 pp. 98 pl. and maps.
  Report of the Director. pp. 1–80, pl. i–v.
  Administrative reports of chiefs of divisions. pp. 81–252.
  General account of the fresh-water morasses of the United States, with a description of the Dismal Swamp district of Virginia and North Carolina, by Nathaniel Southgate Shaler. pp. 255–339, pl. vi–xix.
  The Penokee iron-bearing series of Michigan and Wisconsin, by Roland Duer Irving and Charles Richard Van Hise. pp. 341–507, pl. xx–xlii.
  The fauna of the Lower Cambrian or Olenellus zone, by Charles D. Walcott. pp. 509–763, pl. xliii–xcviii.
  Index. pp. 765–774.
Pt. 2. Irrigation. viii, 123 pp.
Index to part II. pp. 121–123.

Eleventh annual report of the United States Geological Survey to the Secretary of the Interior 1889–'90 by J. W. Powell Director Part I—geology [–II—irrigation] [Vignette] Washington Government Printing Office 1891
8°. 2 pt. xv, 757 pp. 66 pl. and maps; xiv, 395 pp. 30 pl. and maps.

CONTENTS.

- Pt. 1. Geology. xv, 757 pp. 66 pl. and maps.
  - Report of the Director. pp. 1–30, pl. i.
  - Administrative reports of chief of divisions. pp. 31–185.
  - The Pleistocene history of northeastern Iowa, by W. J. McGee. pp. 189 577, pl. ii–lxi.
  - The natural-gas field of Indiana, by A. J. Phinney. pp. 579–742, pl. lxii-lxvi.
    - Introduction by W. J. McGee. Rock gas and related bitumens. pp. 587–616.
    - The natural-gas field of Indiana, by A. J. Phinney. pp. 617–742.
  - Index. pp. 743–757.
- Pt. 2. Irrigation. xiv, 395 pp. 30 pl. and maps.
  - Hydrography. pp. 1–110, pl. lxvii–xcvi.
  - Engineering. pp. 111–200.
  - The arid lands. pp. 201–289.
  - Topography. pp. 291–343.
  - Irrigation literature. pp. 345–388.
  - Index. pp. 389–395.

Twelfth annual report of the United States Geological Survey to the Secretary of the Interior 1890–'91 by J. W. Powell Director Part I—geology [-II—irrigation] [Vignette] Washington Government Printing Office 1891

8°. 2 pt. xiii, 675 pp. 53 pl. and maps; xviii, 576 pp. 93 pl. and maps.

CONTENTS.

- Pt. 1. Geology. xiii, 675 pp. 53 pl. and maps.
  - Report of the Director. pp. 1–19, pl. i.
  - Administrative reports of chiefs of divisions. pp. 21–210.
  - The origin and nature of soils, by Nathaniel Southgate Shaler. pp. 213–345, pl. ii–xxxi.
  - The Lafayette formation, by W. J. McGee. 347–521, pl. xxxii–xli.
  - The North American continent during Cambrian time, by Charles D. Walcott. pp. 523–568, pl. xlii–xlv.
  - The eruptive rocks of Electric Peak and Sepulchre mountain, Yellowstone National Park, by Joseph Paxson Iddings. pp. 569–664, pl. xlvi–liii.
  - Index. pp. 665–675.
- Pt. 2. Irrigation. xviii, 576 pp. 93 pl. and maps.
  - The location and survey of reservoir sites by A. H. Thompson. pp. 1–212, pl. liv–lvii.
  - Hydrography of the arid regions, by F. H. Newell. pp. 213–361, pl. lviii–cvi.
  - Irrigation in India, by Herbert M. Wilson. pp. 363–561, pl. cvii–cxlvi.
  - Financial statement. pp. 562–568.
  - Index. pp. 569–576.

Thirteenth annual report of the United States Geological Survey to the Secretary of the Interior 1891–'92 by J. W. Powell Director—in three parts—Part I—report of the Director [-II—geology—accompany-

ing papers; III—irrigation] [Vignette] Washington Government Printing Office 1892
8°. 3 pt. vii, 240 pp. 2 maps; x, 372 pp. 105 pl.; xi, 486 pp. 77 pl.

CONTENTS.

Pt. 1. Report of the Director. vii, 240 pp.
  Report of the Director. pp. i–vii, 1–66.
  Administrative reports of chiefs of divisions. pp. 67–235.
  Index. pp. 237–240.
Pt. 2. Geology. x, 372 pp. 105 pl.
  Second expedition to Mount St. Elias, by Israel C. Russell. pp. 1–91.
  The geological history of harbors, by Nathaniel S. Shaler. pp. 93–209.
  The mechanics of Appalachian structure, by Bailey Willis. pp. 211–281.
  The average elevation of the United States, by Henry Gannett. pp. 283–289.
  The Rensselaer grit plateau in New York, by T. Nelson Dale. pp. 291–340.
  The American Tertiary Aphidæ, by Samuel H. Scudder. pp. 341–366.
  Index. pp. 367–372.
Pt. 3. Irrigation. xi, 486 pp. 77 pl.
  Water supply for irrigation, by F. H. Newell. pp. 1–99.
  Results of the operations of the engineering branch of the irrigation survey for the fiscal year ending June 30, 1890, by H. M. Wilson. pp. 101–349.
  American irrigation engineering, by H. M. Wilson. pp. 351–427.
  Report upon the construction of topographic maps and the selection of reservoir sites in the basin of the Arkansas River, by A. H. Thompson. pp. 429–444.
  Report upon the location and survey of reservoir sites during the fiscal year ending June 30, 1892, by A. H. Thompson. pp. 445–478.
  Index. pp. 479–486.

Fourteenth annual report of the United States Geological Survey to the Secretary of the Interior 1892–93 by J. W. Powell Director Part I Report of the Director [–II—accompanying papers] [Vignette] Washington Government Printing Office 1893
8°. 2 pt. vi, 321 pp. 1 map; xx, 597 pp. 74 pl. and maps.

CONTENTS.

Pt. 1. Report of the Director. vi, 321 pp. 1 map.
  Report of the Director. pp. 11–165.
  Administrative reports of chiefs of divisions. pp. 167–318.
  Index. pp. 319–321. (Pocket. 1 map.)
Pt. 2. Accompanying papers. xx, 597 pp. 74 pl. and maps.
  Potable waters of Eastern United States, by W J McGee. pp. 1–47.
  Natural mineral waters of the United States, by A. C. Peale. pp. 49–88, pl. iii–iv.
  Results of stream measurements, by F. H. Newell. pp. 89–155, pl. v–vi.
  The laccolitic mountain groups of Colorado, Utah, and Arizona, by Whitman Cross. pp. 157–241, pl. vii–xvi.
  The gold-silver veins of Ophir, Cal., by Waldemar Lindgren. pp. 243–284, pl. xvii–xviii.
  Geology of the Catoctin belt, by Arthur Keith. pp. 285–395, pl. xix–xxxix.
  Tertiary revolution in the topography of the Pacific Coast, by J. S. Diller. pp. 397–434, pl. xl–xlvii.

The rocks of the Sierra Nevada, by H. W. Turner. pp. 435–495, pl. xlviii-lix.
Pre-Cambrian igneous rocks of the Unkar terrane, Grand Canyon of the Colorado, Arizona, by Charles D. Walcott; with notes on the petrographic character of the lavas, by Joseph Paxson Iddings. pp. 497-524, pl. lx-lxv.
On the structure of the ridge between the Taconic and Green Mountuin ranges, in Vermont, by T. Nelson Dale. pp. 525–549, pl. lxvi-lxx.
The structure of Monument Mountain, in Great Barrington, Mass., by T. Nelson Dale. pp. 551–565, pl. lxxi-lxxii.
The Potomac and Roaring Creek coal fields in West Virginia, by Joseph D. Weeks. pp. 567–590, pl. lxxiii-lxxiv.
Index. pp. 591–597.

NOTE.—A pocket in the cover of Part 2 carries a reconnaissance map of the United States showing the distribution of the geologic systems as far as known, compiled from data in the possession of the United States Geological Survey, by W J McGee, 1893.

Fifteenth annual report of the United States Geological Survey to the Secretary of the Interior 1893–94 by J. W. Powell Director [Vignette] Washington Government Printing Office 1895 8°. v, 755 pp. 68 pl. (In press.)

CONTENTS.

Report of the Director. pp. 1–110.
Administrative reports. pp. 111–258.
Preliminary report on the geology of the common roads of the United States, by Nathaniel Southgate Shaler. pp. 259–306.
The Potomac formation, by Lester Frank Ward. pp. 307–397, pl. ii–iv.
Sketch of the geology of the San Francisco peninsular, by Andrew C. Lawson. pp. 399–476, pl. v–xii.
Preliminary report on the Marquette iron-bearing district of Michigan, by Charles Richard Van Hise and William Shirley Bayley; with a chapter on the Republic trough, by Henry Lloyd Smyth. pp. 477–650, pl. xiii–xxvi.
The general relations of the granitic rocks in the Middle Atlantic Piedmont Plateau, by G. H. Williams. pp. 651–684, pl. xvii–xxxv.
The origin and relations of central Maryland granites, by C. R. Keyes. pp. 685–740, pl. xxxvi–xlviii.
Index. pp. 741–755.

Sixteenth annual report of the United States Geological Survey to the Secretary of the Interior 1894–95 by Charles D. Walcott Director In four parts Part I.—Director's report and papers of a theoretic nature. [Part II.—Papers of an economic character; Part III.—Mineral resources of the United States 1894 Metallic products David T. Day, chief of division; Part IV.—Mineral resources of the United States, 1894 Nonmetallic products David T. Day, chief of division.] [Vignette] Washington Government Printing Office 1895 (In press.)

CONTENTS.

Pt. 1. Director's report and papers of a theoretic nature.
Report of Director.
Administrative report.
The Dinosaurs of North America, by O. C. Marsh.
Glacier Bay and its glaciers, Alaska, by H. F. Reid.

Some analogies in the Lower Cretaceous of Europe and America, by Lester Frank Ward.

Structural details in the Green Mountain region and in eastern New York, by T. Nelson Dale.

Principles of pre-Cambrian North American geology. by Charles Richard Van Hise.

Summary of the primary triangulation executed between the years 1882 and 1894, by Henry Gannett.

Pt. 2. Papers of an economic character.

Geology and mining industries of the Cripple Creek district, Colorado, by Whitman Cross and R. A. F. Penrose, jr.

A geological reconnaissance across Idaho, by George H. Eldridge.

The geology of the road-building stones of Massachusetts, with some consideration of similar materials from other parts of the United States, by Nathaniel Southgate Shaler.

Economic geology of the Mercur mining district, Utah, by S. F. Emmons and J. E. Spurr.

The public lands and their water supply, by F. H. Newell.

Water resources of a portion of the Great Plains, by Robert Hay.

Pt. 3.* Mineral resources of the United States, 1894; metallic products.

Summary.

The production of iron ores in various parts of the world, by John Birkinbine.

Iron and steel and allied industries in all countries, by James M. Swank.

Reconnaissance of the gold fields of the Southern Appalachians, by George F. Becker.

Copper, by Charles Kirchhoff.

Lead, by Charles Kirchhoff.

Zinc, by Charles Kirchhoff.

Manganese, by Joseph D. Weeks.

The production of tin, by Charles M. Rolker.

Aluminum, by R. L. Packard.

Bauxite, by Charles Willard Hayes.

Quicksilver.

Nickel.

Chromium.

Tungsten.

Antimony, by E. W. Parker.

Platinum.

Index.

Pt. 4.* Mineral resources of the United States, 1894; nonmetallic products.

The production of coal in 1894, by E. W. Parker.

Manufacture of coke, by Joseph D. Weeks.

Origin, distribution, and commercial value of peat deposits, by Nathaniel Southgate Shaler.

Petroleum, by Joseph D. Weeks.

Natural gas, by Joseph D. Weeks.

Asphaltum, by E. W. Parker.

Stone, by William C. Day.

Soapstone, by E. W. Parker.

Magnesite, by Charles G. Yale.

Clay, by Jefferson Middleton.

Technology of the clay industry, by Heinrich Ries.

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Index.

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Department of the Interior—Monographs of the United States Geological Survey Volume I [-XXVI] [Seal of the department] Washington Government Printing Office 1890 [1882-1895]
4°. 26 v.

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8°. 129 v.

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Meteorites from Johnson county, Arkansas, and Allen county, Kentucky, by J. Edward Whitfield. pp. 63, 64.
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Analyses of three descloizites from new localities, by W. F. Hillebrand. pp. 24–28.
A new meteorite from Mexico, by J. Edward Whitfield. pp. 29–30.
Dumortierite from Harlem, N. Y., and Clip, Arizona, by J. S. Diller and J. E. Whitfield. pp. 31–33.
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On the occurrence of nitrogen in uraninite and on the composition of uraninite in general, by W. F. Hillebrand. pp. 43–79.
Metacinnabarite from New Almaden, California, by W. H. Melville. pp. 80–83.
An apparatus for the determination of water in the mineral analyses, by Thomas M. Chatard. pp. 84–86.
The separation of titanium, chromium, aluminum, iron, barium, and phosphoric acid in rock analyses, by Thomas M. Chatard. pp. 87–90.
Seven new meteorites, by L. G. Eakins. pp. 91–97.

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Powellite calcium molybdate: a new mineral species, by W. H. Melville. pp. 34–37.
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Two new meteorites, by L. G. Eakins. pp. 45–46.
On the action of phosphorous oxychloride on the ethers and chlorhydrines of silicic acid, by H. N. Stokes. pp. 47–55.
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CONTENTS.

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Experiments upon the constitution of certain micas and chlorites, by F. W. Clarke and E. A. Schneider. pp. 27-33.
Notes on the action of ammonium chloride upon silicates, by E. A. Schneider and F. W Clarke. pp. 34-36.
The preparation and specific gravity of crystallized uranium dioxide, by W. F. Hillebrand. pp. 37-40.
A further example of the isomorphism of thoria and uranium dioxide, by W. F. Hillebrand. pp. 41-43.
The composition of rowlandite and mackintoshite, by W. F. Hillebrand. pp. 44-48.
Zinc-bearing spring waters from Missouri, by W. F. Hillebrand. pp. 49-53.
Josephinite, a new nickel iron, by W. H. Melville. pp. 54-60.
A new meteorite from Hamblen County, Tenn., by L. G. Eakins. pp. 61-62.
On the catalytic action of aluminum chloride on silicic ethers, by H. N. Stokes. pp. 63-76.
On the action of phosphorous oxychloride on aromatic silicic ethers, by H. N. Stokes. pp. 77-78.
Note on benzyl silicate, by H. N. Stokes. p. 79.
On amidophosphoric acid, by H. N. Stokes. pp. 80-94.
On some organosols, by E. A. Schneider. pp. 95-98.
On the preparation of a pure hydrosol of silver, by E. A. Schneider. pp. 99-101.
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Miscellaneous analyses. pp. 109-114.

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STATISTICAL PAPERS.

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CONTENTS.

- Summary. pp. xi–xvii.
- Coal. pp. 1–107.
  - General view of the coal-mining industry. pp. 1–7.
  - Anthracite. pp. 7–32.
    - Description and production of the anthracite coal fields of Pennsylvania, by Chas. A. Ashburner. pp. 7–24.
  - Bituminous coal. pp. 33–107.
    - Analyses and calorific values of some Utah coals, by Ellsworth Daggett. pp. 76–81.
- Iron. pp. 108–171.
  - Iron ore and its products, by James M. Swank. pp. 108–144.
  - Iron in the Rocky mountain division. pp. 144–148.
  - Iron on the Pacific coast. p. 148.
  - The iron ores of Alabama in their geological relations, by Eugene A. Smith. pp. 149–161.
  - Utilization of blast-furnace slag. pp. 161–164.
  - The Bower-Barff process, by A. S. Bower. pp. 164–171.
- Gold and silver. pp. 172–185.
- Petroleum. pp. 186–212.
  - Petroleum, by S. H. Stowell. pp. 186–211.
  - Petroleum in the Rocky mountain division. pp. 211–212.
- Copper. pp. 213–305.
  - The copper industry of the United States, by C. Kirchhoff, jr. pp. 213–257.
  - The metallurgy of copper, by James Douglas, jr. pp. 257–280.
  - The roasting of copper ores and furnace products, by Edward D. Peters, jr. pp. 280–297.
  - Bluestone. pp. 297–305.
    - The manufacture of bluestone at the Lyon mill, Dayton, Nevada, by J. E. Gignoux. pp. 297–305.
- Lead. pp. 306–345.
  - The lead industry of the United States, by C. Kirchhoff, jr. pp. 306–323.
  - The smelting of argentiferous lead in the far West, by O. H. Hahn. pp. 324–345.
- Zinc. pp. 346–386.
  - The zinc industry of the United States, by C. Kirchhoff, jr. pp. 346–358.
  - The mining and metallurgy of zinc in the United States, by F. L. Clerc. pp. 358–386.
- Quicksilver. pp. 387–398.

Nickel, by W. P. Blake. pp. 399–420.
Cobalt, by F. W. Taylor. pp. 421–423.
Manganese, by David T. Day. pp. 424–427.
Chromium, by David T. Day. pp. 428–430.
Tungsten, by David T. Day. pp. 431–433.
Tin. pp. 434–437.
Antimony. pp. 438–439.
Bismuth. p. 440.
Arsenic. p. 441.
Platinum. pp. 442–443.
Iridium, by F. W. Clarke. p. 444.
Aluminum, by R. L. Packard. p. 445.
Molybdenum. p. 446.
Tellurium. p. 447.
Uranium. p. 448.
Vanadium. p. 449.
Structural materials. pp. 450–464.
Clays. pp. 465–475.
  Fire clay in the eastern division, by F. A. Wilber. pp. 465–469.
  Pottery clay and kaolin in the eastern division. pp. 469–472.
  Clays of the Rocky mountain division. pp. 472–475.
  Clays of the Pacific coast. p. 475.
Abrasive materials. pp. 476–481.
  Corundum and emery, by Henry Gannett. pp. 476–477.
  Buhrstones. p. 477.
  Berea grit, by M. C. Read. pp. 478–479.
  Grindstones. p. 479.
  Infusorial earth. pp. 479–480.
  Pumice stone. p. 480.
  Carbons. pp. 480–481.
Precious stones. pp. 482–503.
  American gems and precious stones, by Geo. F. Kunz. pp. 483–499.
  The discovery of emeralds in North Carolina, by W. E. Hidden. pp. 500–502.
  Hiddenite, the new emerald-green gem, by W. E. Hidden. pp. 502–503.
Fertilizers. pp. 504–531.
  The phosphate deposits of South Carolina, by Otto A. Moses, pp. 504–521.
  Apatite, by F. A. Wilber. p. 521.
  Marls, by F. A. Wilber. pp. 522–526.
  Gypsum. pp. 526–531.
  Commercial fertilizers. p. 531.
Salt. pp. 532–565.
  The salines of Louisiana, by E. W. Hilgard. pp. 554–565.
Borax. pp. 566–577.
Sulphur. pp. 578–579.
Barytes. pp. 580–581.
Strontia. p. 582.
Mica. pp. 583–584.
Talc. p. 585.
Quartz. p. 586.
Fluorspar. p. 587.
Asbestus. pp. 588–589.
Graphite, by John A. Walker. pp. 590–594.
Lithographic stone. pp. 595–596.
Niter. pp. 597–598.
Nitrate of soda. pp. 599–600.

Carbonate of soda. pp. 601–602.
Sulphate of soda. pp. 603-604.
Asphaltum. p. 605.
Alum. p. 606.
Copperas. p. 607.
Cryolite. p. 608.
Ozocerite. p. 609.
Miscellaneous contributions. pp. 610–663.
  The divining rod, by R. W. Raymond. pp. 610–626.
  Electrolyses in the metallurgy of copper, lead, zinc, and other metals, by C. O. Mailloux. pp. 627–658.
  The minor minerals of North Carolina, by W. C. Kerr. pp. 659-661.
  Minor minerals of the Pacific coast, by C. G. Yale. pp. 662–663.
The useful minerals of the United States. pp. 664–775.
Appendix. The new tariff. pp. 777–787.
Index. pp. 789-813.

Department of the Interior United States Geological Survey J. W. Powell Director—Mineral resources of the United States—Calendar years 1883 and 1884—Albert Williams Jr. chief of division of mining statistics and technology [Vignette] Washington Government Printing Office 1885

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CONTENTS.

Summary. pp. 1-10.
Coal. pp. 11-213.
  Anthracite coal mining, by H. M. Chance. pp. 104–131.
  Coal mining in the Kanawha valley of West Virginia, by Stuart M. Buck. pp. 131-143
  The manfacture of coke, by Joseph D. Weeks. pp. 144–213.
Petroleum, by S. H. Stowell. pp. 214–232.
Natural gas. pp. 233–245.
Iron. pp. 246-311.
  The manufacture of iron and steel in the United States, by James M. Swank. pp. 246–257.
  Iron ores in the United States, by James M. Swank. pp. 257–281.
  Iron in the Rocky mountain division, by F. F. Chisolm. pp. 281–286.
  Iron on the Pacific coast, by C. G. Yale. pp. 286–290.
  American blast-furnace progress, by John Birkinbine. pp. 290–311.
Gold and silver. pp. 312–321.
Copper. pp. 322–410.
  The copper industry of the United States, by C. Kirchhoff, jr. pp. 322–374.
  The mines and reduction works of Butte City, Montana, by E. D. Peters, jr. pp. 374–396.
  The cupola smelting of copper in Arizona, by James Douglas, jr. pp. 397–410.
Lead. pp. 411–473.
  The lead industry of the United States, by C. Kirchhoff, jr. pp. 411–440.
  Lead slags, by Malvern W. Iles. pp. 440–462.
  Recent improvements in desilverizing lead in the United States, by H. O. Hoffman. pp. 462–473.
Zinc. The zinc industry of the United States, by C. Kirchhoff, jr. pp. 474–491.
Quicksilver. pp. 492–536.
  Quicksilver reduction at New Almaden, by Samuel B. Christy. pp. 503–534.

- Nickel, by W. P. Blake. pp. 537–543.
- Cobalt, by David T. Day. pp. 544–549.
- Manganese, by David T. Day. pp. 550–566.
- Chromium, by David T. Day. pp. 567–573.
- Tungsten, by David T. Day. pp. 574–575.
- Platinum. pp. 576–580.
- Iridium, by William L. Dudley. pp. 581–591.
- Tin, by W. P. Blake. pp. 592–640.
- Antimony, by W. P. Blake. pp. 641–653.
- Bismuth. pp. 654–655.
- Arsenic. pp. 656–657.
- Aluminum, by R. L. Packard. pp. 658–660.
- Zirconium, by David T. Day. p. 661.
- Structural materials. pp. 662–711.
  - Building stone. pp. 662–667.
  - Building sand. pp. 667–668.
  - Lime. pp. 668–670.
  - Cement. pp. 671–676.
  - Clays, by F. A. Wilber. pp. 676–711.
- Abrasive materials. pp. 712–722.
  - Buhrstones. pp. 712–713.
  - Grindstones. pp. 713–714.
  - Corundum and emery, by T. M. Chatard. pp. 714–720
  - Infusorial earth. pp. 720–721.
  - Pumice stone. p. 721.
  - Rottenstone. p. 722.
- Precious stones, by George F. Kunz. pp. 723–782.
- Fertilizers. pp. 783–826.
  - Phosphate rock, by David T. Day. pp. 783–805.
    - Alabama, by W. C. Stubbs. pp. 794–803.
  - Apatite. pp. 805–808.
  - Marls, by F. A. Wilber. p. 808.
  - Gypsum, by F. A. Wilber. pp. 809–815.
  - Manufactured fertilizers, by David T. Day. pp. 815–826.
- Salt. pp. 827–850.
- Bromine, by David T. Day. pp. 851–853.
- Iodine, by David T. Day. pp. 854–858.
- Borax. pp. 859–863.
- Sulphur, by David T. Day. pp. 864–876.
- Pyrites, by William Martyn. pp. 877–905.
- Mica, by F. W. Clarke. pp. 906–912.
- Asbestus. pp. 913–914.
- Graphite, by John A. Walker. pp. 915–919.
- Mineral paints. pp. 920–929.
- Chalk. pp. 930–932.
- Feldspar, by David T. Day. pp. 933–934.
- Lithographic stone. pp. 935–936.
- Asphaltum. pp. 937–948.
  - The asphaltum deposits of California, E. W. Hilgard. pp. 938–948.
- Alum. pp. 949–950.
- Bluestone. p. 951.
- Copperas. pp. 952–953.
- Cryolite. p. 954.
- Ozocerite. pp. 955–957.
- Glass materials, by Joseph D. Weeks. pp. 958–977.

Mineral waters, by A. C. Peale. pp. 978–987.
Historical sketch of mining law, by Rossiter W. Raymond. pp. 988–1004.
Index. pp. 1005–1016.

Department of the Interior United States Geological Survey J. W. Powell Director—Mineral resources of the United States—Calendar year 1885—Division of mining statistics and technology [Vignette] Washington Government Printing Office 1886
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CONTENTS.

Summary. pp. 1–9.
Coal, by Charles A. Ashburner. pp. 10–73.
The manufacture of coke, by Joseph D. Weeks. pp. 74–129.
Petroleum, by S. H. Stowell. pp. 130–154.
Natural gas, by Joseph D. Weeks. pp. 155–179.
Iron. pp. 180–199.
  Twenty-one years of progress in the manufacture of iron and steel in the United States, by James M. Swank. pp. 180–195.
  Iron in the Rocky mountain division, by F. F. Chisolm. p. 196.
  Iron on the Pacific coast, by C. G. Yale. pp. 196–199.
Gold and silver. pp. 200–207.
Copper. The copper industry of the United States, by C. Kirchhoff, jr. pp. 208–243.
Lead. The lead industry of the United States, by C. Kirchhoff, jr. pp. 244–271.
Zinc. The zinc industry of the United States, by C. Kirchhoff, jr. pp. 272–283.
Quicksilver. pp. 284–296.
Nickel. pp. 297–302.
Manganese, by Jos. D. Weeks. pp. 303–356.
Chromium, by David T. Day. pp. 357–360.
Cobalt, by David T. Day. pp. 361–365.
Tungsten, by David T. Day. p. 366.
Platinum and iridium. pp. 367–369.
Tin. pp. 370–385.
Arsenic. p. 386.
Antimony. pp. 387–388.
Bismuth. p. 389.
Aluminum, by R. L. Packard. pp. 390–392.
Zirconium, by David T. Day. pp. 393–394.
Structural materials, by H. S. Sproull. pp. 395–427.
Abrasive materials. pp. 428–436.
  Buhrstones. p. 428.
  Grindstones. pp. 428–429.
  Corundum. pp. 429–432.
  Infusorial earth. p. 433.
  Pumice stone. p. 433.
  Novaculite, by George M. Turner. pp. 433–436.
Precious stones, by George F. Kunz. pp. 437–444.
Fertilizers. pp. 445–473.
  Phosphate rock, by David T. Day. pp. 445–455.
  Apatite. pp. 455–458.
  Gypsum, by H. S. Sproull. pp. 458–464.
  Marls. p. 464.
  Manufactured fertilizers. pp. 465–473.

Salt. pp. 474–485.
Bromine, by David T. Day. pp. 486–487.
Iodine, by David T. Day. pp. 488–490.
Borax. pp. 491–493.
Sulphur, by William C. Day. pp. 494–500.
Pyrites, by Herbert J. Davis. pp. 501–517.
Mica. pp. 518–520.
Abestus. pp. 521–522.
Feldspar, by William C. Day. p. 523.
Mineral paints, by Marcus Benjamin. pp. 524–533.
Talc, by G. F. Perrenoud. pp. 534–535.
Mineral waters, by A. C. Peale. pp. 536–543.
Glass materials, by Jos. D. Weeks. pp. 544–557.
Index. pp. 559–576.

Department of the Interior United States Geological Survey J. W. Powell Director—Mineral resources of the United States—Calendar year 1886—David T. Day chief of division of mining statistics and technology [Vignette] Washington Government Printing Office 1887 8°. viii, 813 pp. Price 50 cents.

CONTENTS.

Summary. pp. 1–10.
Iron. pp. 11–103.
  The American iron trade in 1886, by James M. Swank. pp. 11–22.
  The American iron industry from the beginning in 1619 to 1886, by James M. Swank, pp. 23–38.
  The iron ores east of the Mississippi river, by John Birkinbine. pp. 39–103.
Gold and silver. pp. 104–108.
Copper, by C. Kirchhoff, jr. pp. 109–139.
Lead, by C. Kirchhoff, jr. pp. 140–153.
Zinc, by C. Kirchhoff, jr. pp. 154–159.
Quicksilver. pp. 160–168.
Nickel. pp. 169–173.
Cobalt. pp. 174–175.
Chromium. pp. 176–179.
Manganese, by Jos. D. Weeks. pp. 180–213.
Tin. pp. 214–217.
Tungsten. pp. 218–219.
Aluminum, by R. L. Packard. pp. 220–221.
Platinum and iridium. pp. 222–223.
Coal, by Charles A. Ashburner. pp. 224–377.
The manufacture of coke, by Jos. D. Weeks. pp. 378–438.
Petroleum, by Jos. D. Weeks. pp. 439–487.
Natural gas, by Jos. D. Weeks. pp. 488–516.
Structural materials, by Wm. C. Day. pp. 517–580.
Abrasive materials. pp. 581–594.
  Buhrstones, by William A. Raborg. pp. 581–582.
  Grindstones, by William A. Raborg. pp. 582–585.
  Corundum, by William A. Raborg. pp. 585–586.
  Infusorial earth. pp. 587–588.
  Novaculite, by George M. Turner. pp. 589–594.
Precious stones, by George F. Kunz. pp. 595–605.
Fertilizers. pp. 606–627.

  Phosphate rock. pp. 607–610.
  The fertilizer trade in North Carolina in 1886, by W. B. Phillips. pp. 611–617.
  Marls. pp. 619–620.
  Gypsum. pp. 620–623.
  Manufactured fertilizers. pp. 623–627.
Salt, by William A. Raborg. pp. 628–641.
Bromine. pp. 642–643.
Sulphur, by Wm. C. Day. pp. 644–647.
Tellurium. pp. 648–649.
Pyrites, by Richard P. Rothwell. pp. 650–675.
Phosphorus, by George M. Turner. pp. 676–677.
Borax. pp. 678–680.
Alum. pp. 681–682.
Bluestone. pp. 683.
Copperas. pp. 684–685.
Graphite, by William A. Raborg. pp. 686–689.
Lithographic stone. pp. 690–691.
Fluorspar. pp. 692–693.
Magnesium. pp. 694–698.
Strontium. pp. 699–700.
Feldspar, by Wm. C. Day. p. 701
Mineral paints, by Marcus Benjamin. pp. 702–714.
Mineral waters, by A. C. Peale. pp. 715–721.
Mining law, by E. R. L. Gould. pp. 722–790.
Index. pp. 791–813.

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CONTENTS.

Summary. pp. 1–9.
Iron. pp. 10–57
  The iron and steel industries of the United States in 1887 and 1888, by James M. Swank. pp. 10–27.
  Iron in the Rocky mountain division, by F. F. Chisolm. pp. 28–29.
  Iron-ore mining in 1887, by John Birkinbine. pp. 30–57.
Gold and silver. pp. 58–65.
Copper, by C. Kirchhoff, jr. pp. 66–97.
Lead, by C. Kirchhoff, jr. pp. 98–112.
Zinc, by C. Kirchhoff, jr. pp. 113–117.
Quicksilver. pp. 118–125.
Nickel. pp. 126–129.
Cobalt. pp. 130–131.
Chromium. pp. 132–133.
Tin. pp. 134–137.
Aluminum, by R. L. Packard. pp. 138–141.
Platinum. pp. 142–143.
Manganese, by Joseph D. Weeks. pp. 144–167.
Coal, by Charles A. Ashburner. pp. 168–382.
The manufacture of coke, by Joseph D. Weeks. pp. 383–435.
Petroleum, by Joseph D. Weeks. pp. 436–463.

- Natural gas, by Joseph D. Weeks. pp. 464–502.
- Structural materials, by William C. Day. pp. 503–551.
- Abrasive materials. pp. 522–554.
- Precious stones, by George F. Kunz. pp. 555–579.
- Fertilizers. pp. 580–594.
- Gypsum. pp. 595–603.
  - Gypsum or land plaster in Ohio by Edward Orton. pp. 596–601.
- Sulphur, by William C. Day. pp. 604–610.
- Salt, by William A. Raborg. pp. 611–625.
- Bromine. pp. 626–627.
- Potassium salts, by William C. Day. pp. 628–650.
- Sodium salts, by William C. Day. pp. 651–658.
- Fluorspar. p. 959.
- Mica. pp. 660–671.
  - Mica mining in North Carolina, by William B. Phillips. pp. 661–671.
- Graphite. pp. 672–673.
- Mineral paints. pp. 674–679.
- Mineral waters, by A. C. Peale. pp. 670–687.
- Useful minerals of the United States, edited by Albert Williams, jr. pp. 688–812.
- Index. pp. 813–832.

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CONTENTS.

- Summary. pp. 1–11.
- Iron, pp. 12–35.
  - The iron and steel industries of the United States in 1888 and 1889, by James M. Swank. pp. 12–32.
  - Iron in the Rocky Mountain division, by F. F. Chisolm. pp. 39–35.
- Gold and silver. pp. 36–42.
- Copper, by C. Kirchhoff, jr. pp. 43–77.
- Lead, by C. Kirchhoff, jr. pp. 78–91.
- Zinc, by C. Kirchhoff, jr. pp. 92–96.
- Quicksilver. pp. 97–107.
- Nickel. pp. 108–118.
- Chromium. pp. 119–122.
- Manganese, by Joseph D. Weeks. pp. 123–143.
- Tin. pp. 144–159.
- Aluminum, by R. L. Packard. pp. 160–164.
- Platinum. pp. 165–167.
- Coal, by Charles A. Ashburner. pp. 168–394.
  - Arkansas, by Arthur Winslow. pp. 216–224.
  - Dakota, by F. F. Chisolm. p. 240.
  - Illinois, by J. S. Lord. pp. 242–256.
  - Wyoming, by E. F. Chisolm. pp. 390–394.
- The manufacture of coke, by Joseph D. Weeks. pp. 395–441.
- Petroleum, by Joseph D. Weeks. pp. 442–480.
- Natural gas, by Joseph D. Weeks. pp. 481–512.
- Asphaltum. pp. 513–514.
- Ozokerite. p. 515.
- Structural materials, by William C. Day. pp. 516–575.

Abrasive materials. pp. 576–579.
Precious stones, by George F. Kunz. pp. 580–585.
Fertilizers. pp. 586–596.
Salt, by William A. Raborg. pp. 597–612.
Bromine. p. 613.
Mica. pp. 614–615.
Mineral paints. pp. 616–622.
Mineral waters, by A. C. Peale. pp. 623–630.
Index. pp. 631–652.

Department of the Interior United States Geological Survey J. W. Powell Director—Mineral resources of the United States—Calendar years 1889 and 1890—David T. Day chief of division of mining statistics and technology [Vignette] Washington Government Printing Office 1892

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CONTENTS.

Summary. pp. 1–9.
Iron. pp. 10–47.
  The iron and steel industries of the United States, by James W. Swank. pp. 10–22.
  Iron ores, by John Birkinbine. pp. 23–47.
Gold and silver, by William Kent. pp. 48–55.
Copper, by C. Kirchhoff. pp. 56–77.
Lead, by C. Kirchhoff. pp. 78–87.
Zinc, by C. Kirchhoff. pp. 88–93.
Quicksilver. pp. 94–109.
Aluminum, by C. L. Packard. pp. 110–118.
Tin. pp. 119–123.
Nickel and cobalt. pp. 124–126.
Manganese, by Joseph D. Weeks. pp. 127–136.
Chromic iron ore. pp. 137–140.
Antimony. pp. 141–142.
Platinum. pp. 143–144.
Coal, by E. W. Parker. pp. 145–286.
Petroleum, by Joseph D. Weeks. pp. 287–365.
Natural gas, by Joseph D. Weeks. pp. 366–372.
Stone, by William C. Day. pp. 373–440.
  Limestone. pp. 373–374.
  Granite. pp. 374.
  Sandstone. pp. 374–375.
  Marble. pp. 375–376.
  Slate. p. 376.
  Bluestone. pp. 376–377.
  Production by states. 377–440.
Pottery. pp. 441–444.
Precious stones, by George F. Kunz. pp. 445–448.
Fertilizers. pp. 449–455.
Buhrstones. p. 456.
Corundum and emery. p. 457.
Grindstones. p. 458.
Infusorial earth. p. 459.
Oilstones, whetstones, etc. p. 460.

  Cement. pp. 461–464.
  Gypsum. pp. 465–467.
  Fluorspar. pp. 468–473.
  Mica. pp. 474–475.
  Soapstone. p. 476.
  Asphaltum, by E. W. Parker. pp. 477–481.
  Salt, by William A. Raborg. pp. 482–492.
  Bromine. p. 493.
  Borax, by Charles G. Yale. pp. 494–506.
  Graphite. p. 507.
  Mineral paints. pp. 508–512.
  Barytes. p. 513.
  Asbestos. p. 514.
  Sulphur. pp. 515–517.
  Pyrites. p. 518.
  Lithographic stone. pp. 519–520.
  Mineral waters, by A. C. Peale. pp. 521–535.
  General index to Mineral Resources of the United States from 1882 to 1890. pp. 537–651.
  Index. pp. 653–671.

Department of the Interior United States Geological Survey J. W. Powell Director—Mineral resources of the United States—Calendar year 1891 David T. Day, chief of division of mining statistics and technology [Vignette.] Washington Government Printing Office 1893.

8°, vii, 630 pp. Price 50 cents.

CONTENTS.

Summary. pp. 1–9.
Iron ores, by John Birkinbine. pp. 10–46.
Twenty years of progress in the manufacture of iron and steel in the United States, by James M. Swank. pp. 47–73.
Gold and silver. pp. 74–80.
Copper, by C. Kirchhoff. pp. 81–102.
Lead, by C. Kirchhoff. pp. 103–110.
Zinc, by C. Kirchhoff. pp. 111–116.
Quicksilver. pp. 117–125.
Manganese, by Joseph D. Weeks. pp. 126–146.
Aluminum, by R. L. Packard. pp. 147–163.
Tin. pp. 164–166.
Nickel and cobalt. pp. 167–170.
Chrome iron ore. pp. 171–173.
Antimony, by E. W. Parker. pp. 174–176.
Coal, by E. W. Parker. pp. 177–356.
Manufacture of coke, by Joseph D. Weeks. pp. 357–402.
Petroleum, by Joseph D. Weeks. pp. 403–435.
Natural gas, by Joseph D. Weeks. pp. 436–457.
Asphaltum, by E. W. Parker. pp. 452–455.
Stone, by Wm. C. Day. pp. 456–473.
  Granite. pp. 456–460.
  Sandstone. pp. 460–463.
  Limestone. pp. 464–468.

- Marble. pp. 468–471.
- Slate. pp. 472–473.

Clay materials of the United States, by Robert T. Hill. pp. 474–528.
Natural and artificial cements, by Spencer B. Newberry. pp. 529–538.
Precious stones, by George F. Kunz. pp. 539–551.
Abrasive materials, by E. W. Parker. pp. 552–556.
  Buhrstones. p. 552.
  Grindstones. pp. 552–553.
  Oilstones and whetstones. pp. 553–555.
  Emery and corundum. pp. 555–556.
Fertilizers. pp. 557–563.
Sulphur, by E. W. Parker. pp. 564–571.
Salt. pp. 572–578.
Bromine. p. 579.
Gypsum, by E. W. Parker. pp. 580–583.
Magnesite. pp. 584–585.
Fluorspar. p. 586.
Borax. pp. 587–588.
Graphite, by E. W. Parker. pp. 589–590.
Asbestos, by E. W. Parker. pp. 591–592.
Soapstone, by E. W. Parker. pp. 593–594.
Mineral paints, by E. W. Parker. pp. 595–598.
Barytes. pp. 599–600.
Mineral waters, by A. C. Peale. pp. 601–610.
Index. pp. 611–630.

Department of the Interior United States Geological Survey J. W. Powell Director—Mineral resources of the United States—Calendar year 1892 David T. Day chief of division of mining statistics and technology [Vignette] Washington Government Printing Office 1893.

8°. vii, 650 pp. Price 50 cents.

CONTENTS.

Summary. pp. 1–11.
Iron:
  The American iron trade in 1892, by James M. Swank. pp. 12–22.
  Iron ores, by John Birkinbine. pp. 23–45.
Progress of precious metal industry in the United States since 1880, by S. F. Emmons. pp. 46–94.
Copper, by C. Kirchhoff. pp. 95–120.
Lead, by C. Kirchhoff. pp. 121–129.
Zinc, by C. Kirchhoff. pp. 130–138.
Quicksilver ore deposits, by George F. Becker. pp. 139–168.
Manganese, by Joseph D. Weeks. pp. 169–226.
Aluminum, by Alfred E. Hunt. pp. 227–254.
Nickel and cobalt. pp. 255–257.
Tin. pp. 258–259.
Antimony. pp. 260–262.
Coal, by E. W. Parker. pp. 263–550.
Manufacture of coke, by Joseph D. Weeks. pp. 551–602.
Petroleum, by Joseph D. Weeks. pp. 603–651.
Natural gas, by Joseph D. Weeks. pp. 652–698.
Asphaltum, by E. W. Parker. pp. 699–706.

Stone, by William C. Day:
    Granite. pp. 705–709.
    Marble. pp. 709–710.
    Slate. p. 710.
    Sandstone. pp. 710–711.
    Limestone. p. 711.
Clay materials of the United States, by Robert T. Hill. pp. 712–738.
Natural and artificial cements, by Spencer B. Newberry. pp. 739–747.
Abrasive materials, by E. W. Parker:
    Buhrstones. pp. 748–749.
    Grindstones. p. 749.
    Oilstones and whetstones. pp. 750–751.
    Emery and corundum. pp. 751–752.
    Infusorial earth. p. 752.
    Tripoli. p. 752.
    Carborundum. pp. 753–754.
    Crushed steel. pp. 754–755.
Precious stones, by George F. Kunz. pp. 756–781.
Phosphate rock. pp. 782–784.
Sulphur, by E. W. Parker. pp. 785–791.
Salt, by E. W. Parker. pp. 792–800.
Gypsum. pp. 801-804.
Fluorspar. p. 805.
Graphite. pp. 806–807.
Asbestos, by E. W. Parker. pp. 808–812.
Soapstone. pp. 813–814.
Mineral paints. pp. 815–820.
Barytes. pp. 821-822.
Mineral waters, by A. C. Peale. pp. 823–834.
Index. pp. 835–850.

Department of the Interior United States Geological Survey J. W. Powell Director—Mineral resources of the United States—Calendar year 1893—David T. Day chief of division of mining statistics and technology [Vignette] Washington Government Printing Office 1894 8°. viii, 810 pp. Price 50 cents.

CONTENTS.

Summary. pp. 1–12.
Iron:
    Iron and steel, by James E. Swank. pp. 13–22.
    Iron ores, by John Birkinbine. pp. 23–49.
Gold and silver, by R. E. Preston. pp. 50–61.
Copper, by C. Kirchhoff. pp. 62–88.
Lead, by C. Kirchhoff. pp. 89–102.
Zinc, by C. Kirchhoff. pp. 103–110.
Quicksilver. pp. 111–118.
Manganese, by J. D. Weeks. pp. 119–155.
Aluminum. pp. 156–167.
    Bauxite, by C. W. Hayes. pp. 159–167.
Nickel and cobalt. pp. 168–177.
Tin. pp. 178–183.
Antimony. pp. 184–186.
Coal, by E. W. Parker. pp. 187–414.
    Pennsylvania anthracite, by John H. Jones. pp. 344–414.

Manufacture of coke, by Joseph D. Weeks. pp. 415–460.
Petroleum, by Joseph D. Weeks. pp. 461–533.
Natural gas, by Joseph D. Weeks. pp. 534–541.
Stone, by William C. Day. pp. 542–602.
    Granite. pp. 544–547.
    Marble. pp. 547–549.
    Slate. pp. 549–551.
    Sandstone. pp. 552–555.
    Limestone. pp. 555–557.
    Bluestone. pp. 557–559.
    At World's Columbian Exposition. pp. 560–602.
Clay materials of the United States, by Robert T. Hill. pp. 603–617.
Cement, by Spencer B. Newberry. pp. 618–623.
Soapstone. pp. 624–626.
Asphaltum. pp. 627–669.
Abrasive materials, by E. W. Parker:
    Buhrstones. pp. 670–671.
    Grindstones. pp. 671–672.
    Oilstones and whetstones. pp. 672–674.
    Emery and corundum. pp. 674–678.
    Infusorial earth. p. 678.
    Tripoli. p. 679.
    Carborundum. p. 679.
Precious stones, by George F. Kunz. pp. 680–702.
Fertilizers. pp. 703–712.
Gypsum. pp. 713–716.
Salt, by E. W. Parker. pp. 717–727.
Natural sodium salts, by R. L. Packard. pp. 728–738.
Sulphur and pyrites, by E. W. Parker. pp. 739–745.
Fluorspar. pp. 746–747.
Mica, by E. W. Parker. pp. 748–755.
Asbestos. pp. 756–757.
Mineral paints, by E. W. Parker. pp. 758–766.
Graphite. pp. 767–769.
Barytes. pp. 770–771.
Mineral waters. pp. 772–794.
Index. 795–810.

NOTE.—On March 2, 1895, the following provision was included in an act of Congress: "Provided, That hereafter the report of the Mineral Resources of the United States shall be issued as a part of the report of the Director of the United States Geological Survey."

In conformity with this act, MINERAL RESOURCES as a distinct series is discontinued with the tenth volume, the report for the calendar year 1893, and MINERAL RESOURCES, 1894, will be published as Parts III and IV of the Sixteenth Annual Report of the Survey. See Sixteenth Annual Report, pp. 13-14 of this List.

GEOLOGIC ATLAS OF THE UNITED STATES.

PLAN OF PUBLICATION.

The Geologic Atlas of the United States is the final form of publication of the topographic and geologic maps. The atlas is issued in parts, progressively as the surveys are extended, and is designed ultimately to cover the entire country.

Under the plan adopted the entire area of the country is divided into small rectangular districts, bounded by certain meridians and parallels. The unit of survey is also the unit of publication, and the maps and descriptions of each rectangular district are issued as a folio of the Geologic Atlas.

Each folio contains topographic, geologic, economic, and structural maps, together with textual descriptions and explanations, and is designated by the name of a principal town or of a prominent natural feature within the district.

Two forms of issue have been adopted: A *library* edition, bound between heavy paper covers and stitched; and a *field* edition, similarly bound, but unstitched.

DISTRIBUTION.

Under the law a copy of each folio is sent to certain public libraries and educational institutions. A limited number of copies are reserved for distribution to persons specially interested in the region represented. This distribution is at first gratuitous, but when the remaining number of copies of any folio reaches a certain minimum a charge equivalent to cost of publication will be made. In such cases prepayment is obligatory. The folios ready for distribution and those in process of engraving are listed below. Following is the title of Folio 1:

Department of the Interior United States Geological Survey J. W. Powell, Director Geologic Atlas of the United States Livingston Folio Montana Index map [Map] List of sheets description topography areal geology economic geology structure sections columnar sections Folio 1 Library edition [or Field edition] Livingston Washington D. C. Engraved and printed by the U. S. Geological Survey Bailey Willis, editor of geologic maps S. J. Kübel, chief engraver 1894

FOLIOS READY FOR DISTRIBUTION.

No.	Name of sheet.	State.	Limiting meridians.	Limiting parallels.	Area in square miles.	Price in cents.
1	Livingston	Mont	110°-111°	45°-46°	3,354	25
2	Ringgold	Ga.-Tenn	85°-85°30′	34°30′-35°	980	25
3	Placerville	Cal	120°30′-121°	38°30′-39°	932	25
4	Kingston	Tenn	84°30′-85°	35°30′-36°	969	25
5	Sacramento	Cal	121°-121°30′	38°30′-39°	932	25
6	Chattanooga	Tenn	85°-85°30′	35°-35°30′	975	25
7	Pikes Peak	Colo	105°-105°30′	38°30′-39°	932	25
8	Sewanee	Tenn	85°30′-86°	35°-35°30′	975	25
9	Anthracite-Crested Butte	Colo	106°45′-107°15′	38°45′-39°	465	50
10	Harpers Ferry	Va.-W. Va.-Md	77°30′-78°	39°-39°30′	925	25
11	Jackson	Cal	120°30′-121°	38°-38°30′	938	25
12	Estillville	Va.-Ky.-Tenn	82°30′-83°	36°30′-37°	957	25
13	Fredericksburg	Md.-Va	77°-77°30′	38°-38°30′	938	25
14	Staunton	Va.-W.Va	79°-79°30′	38°-38°30′	938	25
15	Lassen Peak	Cal	121°-122°	40°-41°	3,634	25
16	Knoxville	Tenn.-N. C	83°30′-84°	35°30′-36°	969	25
17	Marysville	Cal	121°30′-122°	39°-39°30′	925	25
18	Smartsville	do	121°-121°30′	39°-39°30′	925	......
19	Stevenson	Ala.-Ga.-Tenn	85°30′-86°	34°30′-35°	980	25
20	Cleveland	Tenn	84°30′-85°	35°-35°30′	975	......

FOLIOS IN PROCESS OF ENGRAVING.

Name of sheet.	State.	Limiting meridians.	Limiting parallels.	Area in square miles.	Price in cents.
Loudon	Tenn	84°-84°30′	35°30′-36°	969	......
Three Forks	Mont	111°-112°	45°-46°	3,354	......
Pocahontas	Va.-W.Va	81°-81°30′	37°-37°30′	951	......
McMinnville	Tenn	85°30′-86°	35°30′-36°	969	......
Pikeville	do	85°-85°30′	35°30′-36°	969	......
Morristown	do	83°-83°30′	36°-36°30′	963	......
Nomini	Md.-Va	76°30′-77°	38°-38°30′	938	......
Nevada City (Nevada City, Grass Valley, Banner Hill).	Cal	121°00′25″ 121°03′45″ 121°01′35″ 121°05′04″ 120°57′05″ 121°00′25″	39°13′50″ 39°17′16″ 39°10′22″ 39°13′50″ 39°13′50″ 39°17′16″	12.41 12.41 12.41	....

TOPOGRAPHIC MAPS.

ATLAS SHEETS.

Of the topographic atlas sheets to serve as bases for the geologic maps, the Survey has completed, from original surveys and compilations, 808. These are engraved and printed, and are listed below by States. The printing is in small editions for official use and to meet special needs of engineers and others. No provision for their publication and general distribution has been made. Many more are in various stages of preparation.

List of atlas sheets engraved and printed, arranged by States.

ALABAMA.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Anniston	33	30	85	30	¼ degree	100	1:125000
Ashland	33	00	85	30	do	100	1:125000
Bessemer	33	00	86	30	do	100	1:125000
Birmingham	33	30	86	30	do	100	1:125000
Clanton	32	30	86	30	do	50	1:125000
Cullman	34	00	86	30	do	100	1:125000
Fort Payne (Ala.-Ga.)	34	00	85	30	do	100	1:125000
Gadsden	34	00	86	00	do	100	1:125000
Huntsville (Ala.-Tenn.)	34	30	86	30	do	100	1:125000
Jasper	33	30	87	00	do	50	1:125000
Rome (Ga.-Ala.)	34	00	85	00	do	100	1:125000
Scottsboro (Ala.-Tenn.)	34	30	86	00	do	100	1:125000
Springville	33	30	86	00	do	100	1:125000
Stevenson (Ala.-Ga.-Tenn.)	34	30	85	30	do	100	1:125000
Talladega	33	00	86	00	do	100	1:125000
Tallapoosa (Ga.-Ala.)	33	30	85	00	do	100	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

ARIZONA.

Name of atlas sheet.	Position of SE. corner of sheet. Lat.	Position of SE. corner of sheet. Long.	Area covered.	Contour interval.	Scale.
	° ′	° ′		*Feet.*	
Camp Mohave (Ariz.-Nev.-Cal.)	35 00	114 00	1 degree	250	1:250000
Canyon de Chelly (Ariz.-N. Mex.)	36 00	109 00	do	200	1:250000
Chino	35 00	112 00	do	250	1:250000
Diamond Creek	35 00	113 00	do	250	1:250000
Echo Cliffs	36 00	111 00	do	250	1:250000
Fort Defiance (Ariz.-N. Mex)	35 00	109 00	do	200	1:250000
Holbrook	34 00	110 00	do	200	1:250000
Kaibab	36 00	112 00	do	250	1:250000
Marsh Pass	36 00	110 00	do	200	1:250000
Mount Trumbull	36 00	113 00	do	250	1:250000
Prescott	34 00	112 00	do	200	1:250000
St. Johns (Ariz.-N. Mex.)	34 00	109 00	do	200	1:250000
St. Thomas (Nev.-Ariz.)	36 00	114 00	do	250	1:250000
San Francisco Mountain	35 00	111 00	do	250	1:250000
Tusayan	35 00	110 00	do	200	1:250000
Verde	34 00	111 00	do	200	1:250000

ARKANSAS.

Batesville	35 30	91 30	½ degree	50	1:125000
Benton	34 30	92 30	do	50	1:125000
Dardanelle	35 00	93 00	do	50	1:125000
Fort Smith (Ark.-Ind. T.)	35 00	94 00	do	50	1:125000
Hot Springs	34 30	93 00	do	50	1:125000
Little Rock	34 30	92 00	do	50	1:125000
Magazine Mountain	35 00	93 30	do	50	1:125000
Marshall	35 30	92 30	do	50	1:125000
Morrillton	35 00	92 30	do	50	1:125000
Mountain Home (Ark.-Mo.)	36 00	92 00	do	50	1:125000
Mountain View	35 30	92 00	do	50	1:125000
Mount Ida	34 30	93 30	do	50	1:125000
Poteau Mountain (Ark.-Ind. T.)	34 30	94 00	do	50	1:125000
Yellville	36 00	92 30	do	50	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

CALIFORNIA.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Alturas	41	00	120	00	1 degree	200	1:250000
Banner Hill	39	14	120	57	$\frac{1}{312}$ degree	20	1:14400
Bidwell Bar	39	30	121	00	$\frac{1}{4}$ degree	100	1:125000
Big Trees	38	00	120	00	do	100	1:125000
Camp Mohave (Ariz.-Nev.-Cal.)	35	00	114	00	1 degree	250	1:250000
Chico	39	30	121	30	$\frac{1}{4}$ degree	100	1:125000
Colfax	39	00	120	30	do	100	1:125000
Downieville	39	30	120	30	do	100	1:125000
El Cajon	32	45	116	45	$\frac{1}{16}$ degree	25	1:62500
Escondido	33	00	117	00	do	25	1:62500
Genesee	40	01	120	41	$\frac{1}{73}$ degree	50	1:31680
Grass Valley	39	10	121	01	$\frac{1}{256}$ degree	20	1:14400
Honey Lake	40	00	120	00	1 degree	200	1:250000
Indian Valley	40	00	120	38	$\frac{1}{15}$ degree	100	1:65500
Jackson	38	00	120	30	$\frac{1}{4}$ degree	100	1:125000
Lassen Peak	40	00	121	00	1 degree	200	1:250000
Lodi	38	00	121	00	$\frac{1}{4}$ degree	50, 100	1:125000
Markleeville (Cal.-Nev.)	38	30	119	30	do	100	1:125000
Marysville	39	00	121	30	do	100	1:125000
Modoc Lava Bed	41	00	121	00	1 degeee	200	1:250000
Nevada City	39	14	121	00	$\frac{1}{318}$ degree	20	1:14400
Oceanside	33	00	117	15	$\frac{1}{16}$ degree	25	1:62500
Placerville	38	30	120	30	$\frac{1}{4}$ degree	100	1:125000
Pyramid Peak	38	30	120	00	do	100	1:125000
Red Bluff	40	00	122	00	1 degree	200	1:250000
Redlands	34	00	117	00	$\frac{1}{16}$ degree	50	1:62500
Sacramento	38	30	121	00	$\frac{1}{4}$ degree	100	1:125000
Shasta	41	00	122	00	1 degree	200	1:125000
Sierraville	39	30	120	00	$\frac{1}{4}$ degree	100	1:125000
Smartsville	39	00	121	00	do	100	1:125000
Sonora	37	30	120	00	do	50, 100	1:125000
Taylorsville	40	00	120	48	$\frac{1}{85}$ degree	50	1:31680
Truckee	39	00	120	00	$\frac{1}{4}$ degree	100	1:125000
Wellington (Cal.-Nev.)	38	30	119	00	do	100	1:125000

Anaheim,
Cucamango,
Downey,
Los Angeles,
Los Bolsas,
Pomona,

San Bernardino,
San Francisco,
San Mateo,
San Pedro,
Santa Anna,
Tamalpais.

List of atlas sheets engraved and printed, arranged by States—Continued.

COLORADO.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Abajo (Utah-Colo.)	37	00	109	00	1 degree	250	1:250000
Albany (Colo.-Kans.)	37	30	102	00	¼ degree	25	1:125000
Anthracite	38	45	107	00	1/16 degree	100	1:62500
Apishapa	37	30	104	00	¼ degree	25	1:125000
Arroyo	38	30	103	00	do	25	1:125000
Ashley (Utah-Colo.)	40	00	109	00	1 degree	250	1:250000
Aspen	39	00	106	45	1/16 degree	100	1:62500
Aspen (special)	39	10	106	48	1/922 degree	25	1:9600
Big Springs	38	30	104	00	¼ degree	25	1:125000
Canyon City	38	00	105	00	do	25, 50, 100	1:125000
Castle Rock	39	00	104	30	do	50, 100	1:125000
Catlin	38	00	103	30	do	25	1:125000
Cheyenne Wells (Colo.-Kans.)	38	30	102	00	do	25	1:125000
Colorado Springs	38	30	104	30	do	25, 50, 100	1:125000
Crested Butte	38	45	106	45	1/16 degree	100	1:625000
Cripple Creek	38	41	105	06	1/36 degree	50	1:25000
Denver (double sheet)	39	30	104	30	½ degree	50, 100	1:125000
East Tavaputs (Utah-Colo.)	39	00	109	00	1 degree	250	1:250000
Elmoro	37	00	104	00	¼ degree	25, 50, 100	1:125000
Granada (Colo.-Kans.)	38	00	102	00	do	25	1:125000
Higbee	37	30	103	00	do	25, 50	1:125000
Huerfano Park	37	30	105	00	do	25, 50, 100	1:125000
Kit Carson	38	30	102	30	do	25	1:125000
Lamar	38	00	102	30	do	25	1:125000
La Sal (Utah-Colo.)	38	00	109	00	1 degree	250	1:250000
Las Animas	38	00	103	00	¼ degree	25	1:125000
Leadville	39	00	106	00	do	25, 50, 100	1:125000
Limon	39	00	103	30	do	25	1:125000
Mesa de Maya	37	00	103	30	do	25, 50, 100	1:125000
Mount Carrizo	37	00	103	00	do	25, 50, 100	1:125000
Nepesta	38	00	104	00	do	25	1:125000
Pikes Peak	38	30	105	00	do	100	1:125000
Platte Canyon	39	00	105	00	do	25, 50, 100	1:125000
Pueblo	38	00	104	30	do	25, 50	1:125000
Sanborn	38	30	103	30	do	25	1:125000
Springfield	37	00	102	30	do	25, 50	1:125000
Timpas	37	30	103	30	do	25, 50	1:125000
Trinidad	37	00	104	30	do	25, 50, 100	1:125000
Two Butte	37	30	102	30	do	25, 50	1:125000
Vilas (Colo.-Kans.)	37	00	102	00	do	25	1:125000
Walsenburg	37	30	104	30	do	25, 50, 100	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

CONNECTICUT.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Bridgeport	41	00	73	00	1/16 degree	20	1:62500
Brookfield (Mass.-Conn.)	42	00	72	00	.....do	20	1:62500
Carmel (N. Y.-Conn.)	41	15	73	30	.....do	20	1:62500
Clove (N. Y.-Conn.)	41	30	73	30	.....do	20	1:62500
Cornwall (Conn.-N. Y.)	41	45	73	15	.....do	20	1:62500
Danbury	41	15	73	15	.....do	20	1:62500
Derby	41	15	73	00	.....do	20	1:62500
Gilead	41	30	72	15	.....do	20	1:62500
Granby	41	45	72	45	.....do	20	1:62500
Granville (Mass.-Conn.)	42	00	72	45	.....do	20	1:62500
Guilford	41	15	72	30	.....do	20	1:62500
Hartford	41	45	72	30	.....do	20	1:62500
Meriden	41	30	72	45	.....do	20	1:62500
Middletown	41	30	72	30	.....do	20	1:62500
Moosup (Conn.-R. I.)	41	30	71	45	.....do	20	1:62500
New Haven	41	15	72	45	.....do	20	1:62500
New London (Conn.-N. Y.)	41	15	72	00	.....do	20	1:62500
New Milford	41	30	73	15	.....do	20	1:62500
Norwalk (Conn.-N. Y.)	41	00	73	15	.....do	20	1:62500
Norwich	41	30	72	00	.....do	20	1:62500
Palmer (Mass.-Conn.)	42	00	72	15	.....do	20	1:62500
Putnam (Conn.-R. I.)	41	45	71	45	.....do	20	1:62500
Sandisfield (Mass.-Conn.)	42	00	73	00	.....do	20	1:62500
Saybrook	41	15	72	15	.....do	20	1:62500
Sheffield (Mass.-Conn.-N. Y.)	42	00	73	15	.....do	20	1:62500
Springfield (Mass.-Conn.)	42	00	72	30	.....do	20	1:62500
Stamford (Conn.-N. Y.)	41	00	73	30	.....do	20	1:62500
Stonington (Conn.-R. I.-N. Y.)	41	15	71	45	.....do	20	1:62500
Tolland	41	45	72	15	.....do	20	1:62500
Waterbury	41	30	73	00	.....do	20	1:62500
Webster (Mass.-Conn.-R. I.)	42	00	71	45	.....do	20	1:62500
Winsted	41	45	73	00	.....do	20	1:62500
Woodstock	41	45	72	00	.....do	20	1:62500

DELAWARE.

Bayside (N. J.-Del.)	39	15	75	15	1/16 degree	10	1:62500

DISTRICT OF COLUMBIA.

Mount Vernon (Va.-Md.-D. C.)	38	30	77	00	¼ degree	50	1:125000
Washington (D. C.-Md.-Va.), double sheet	38	45	76	45	⅛ degree	20	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

FLORIDA.

Name of atlas sheet.	Position of SE. corner of sheet		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		Feet.	
Arredondo	29 30	82 15	1/16 degree	10	1:62500
Citra	29 15	82 00	do	10	1:62500
Dunnellon	29 00	82 15	do	10	1:62500
Ocala	29 00	82 00	do	10	1:62500
Panasoffkee	28 45	82 00	do	10	1:62500
Tsala Apopka	28 45	82 15	do	10	1:62500
Williston	29 15	82 15	do	10	1:62500

GEORGIA.

Atlanta	33 30	84 00	¼ degree	50	1:125000
Carnesville (Ga.-S. C.)	34 00	83 00	do	50	1:125000
Cartersville	34 00	84 30	do	100	1:125000
Dahlonega (Ga.-N. C.)	34 30	83 30	do	100	1:125000
Dalton (Ga.-Tenn.)	34 30	84 30	do	100	1:125000
Elberton (Ga.-S. C.)	34 00	82 30	do	50	1:125000
Ellijay (Ga.-N. C.-Tenn.)	34 30	84 00	do	100	1:125000
Fort Payne (Ala.-Ga.)	34 00	85 30	do	100	1:125000
Gainesville	34 00	83 30	do	100	1:125000
McCormick (Ga.-S. C.)	33 30	82 00	do	50	1:125000
Marietta	33 30	84 30	do	50	1:125000
Ringgold (Ga.-Tenn.)	34 30	85 00	do	100	1:125000
Rome (Ga.-Ala.)	34 00	85 00	do	100	1:125000
Stevenson (Ala.-Ga.-Tenn.)	34 30	85 30	do	100	1:125000
Suwanee	34 00	84 00	do	100	1:125000
Tallapoosa (Ga.-Ala.)	33 30	85 00	do	100	1:125000
Walhalla (Ga.-S. C.-N. C.)	34 30	83 00	do	100	1:125000

IDAHO.

Bear Valley	44 00	115 00	¼ degree	100	1:125000
Bisuka	43 00	116 00	do	25, 50, 100	1:125000
Boise	43 30	116 00	do	25, 100	1:125000
Camas Prairie	43 00	115 00	do	50, 100	1:125000
Idaho Basin	43 30	115 30	do	100	1:125000
Mountain Home	43 00	115 30	do	50, 100	1:125000
Nampa (Idaho-Oreg.)	43 30	116 30	do	25, 50, 100	1:125000
Rocky Bar	43 30	115 00	do	100	1:125000
Silver City	43 00	116 30	do	100	1:125000
Squaw Creek	44 00	116 00	do	100	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

ILLINOIS.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Calumet (Ill.-Ind.)	41	30	87	30	1/16 degree	10	1:62500
Chicago	41	45	87	30	do	5	1:62500
Clinton (Iowa-Ill.)	41	45	90	00	do	20	1:62500
Davenport (Iowa-Ill.)	41	30	90	30	do	20	1:62500
Desplaines	41	30	87	45	do	10	1:62500
Dunlap	40	45	89	30	do	10	1:62500
Goose Lake (Iowa-Ill.)	41	45	90	15	do	20	1:62500
Hennepin	41	15	89	15	do	10	1:62500
Joliet	41	30	88	00	do	10	1:62500
Lacon	41	00	89	15	do	20	1:62500
Lasalle	41	15	89	00	do	10	1:62500
Leclaire (Iowa-Ill.)	41	30	90	15	do	20	1:62500
Louisiana (Mo.-Ill.)	39	00	91	00	¼ degree	50	1:125000
Marseilles	41	15	88	30	1/16 degree	10	1:62500
Metamora	40	45	89	15	do	10	1:62500
Morris	41	15	88	15	do	10	1:62500
Ottawa	41	15	88	45	do	10	1:62500
Riverside	41	45	87	45	do	10	1:62500
St. Louis (Mo.-Ill.), double sheet	38	30	90	00	⅛ degree	20	1:62500
Savanna (Iowa-Ill.)	42	00	90	00	1/16 degree	20	1:62500
Wilmington	41	15	88	00	do	10	1:62500

INDIANA.

Name of atlas sheet.	Lat. °	Lat. ′	Long. °	Long. ′	Area covered.	Contour interval.	Scale.
Calumet (Ill.-Ind.)	41	30	87	30	1/16 degree	10	1:62500

INDIAN TERRITORY.

Name of atlas sheet.	Lat. °	Lat. ′	Long. °	Long. ′	Area covered.	Contour interval.	Scale.
Fort Smith (Ark.-Ind. T.)	35	00	94	00	¼ degree	50	1:125000
Joplin (Kans.-Mo.-Ind. T.)	37	00	94	30	do	50	1:125000
Poteau Mountain (Ark.-Ind. T.)	34	30	94	00	do	50	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

IOWA.

Name of atlas sheet.	Position of SE. corner of sheet.		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		*Feet.*	
Amana	41 45	91 45	1/16 degree	20	1:62500
Anamosa	42 00	91 15	do	20	1:62500
Baldwin	42 00	90 45	do	20	1:62500
Cedar Rapids	41 45	91 30	do	20	1:62500
Clinton (Iowa-Ill.)	41 45	90 00	do	20	1:62500
Davenport (Iowa-Ill.)	41 30	90 30	do	20	1:62500
Dewitt	41 45	90 30	do	20	1:62500
Durant	41 30	90 45	do	20	1:62500
Goose Lake (Iowa-Ill.)	41 45	90 15	do	20	1:62500
Iowa City	41 30	91 30	do	20	1:62500
Leclaire (Iowa-Ill.)	41 30	90 15	do	20	1:62500
Maquoketa	42 00	90 30	do	20	1:62500
Marion	42 00	91 30	do	20	1:62500
Mechanicsville	41 45	91 15	do	20	1:62500
Monticello	42 00	91 00	do	20	1:62500
Oxford	41 30	91 45	do	20	1:62500
Savanna (Iowa-Ill.)	42 00	90 00	do	20	1:62500
Shellsburg	42 00	91 45	do	20	1:62500
Tipton	41 45	91 00	do	20	1:62500
West Liberty	41 30	91 15	do	20	1:62500
Wheatland	41 45	90 45	do	20	1:62500
Wilton Junction	41 30	91 00	do	20	1:62500

KANSAS.

Name of atlas sheet.	Lat.	Long.	Area covered.	Contour interval.	Scale.
Abilene	38 30	97 00	¼ degree	50	1:125000
Albany (Colo.-Kans.)	37 30	102 00	do	25	1:125000
Anthony	37 00	98 00	do	20	1:125000
Atchison (Kans.-Mo.)	39 30	95 00	do	50	1:125000
Beloit	39 00	98 00	do	20	1:125000
Burden	37 00	96 30	do	50	1:125000
Burlingame	38 30	95 30	do	50	1:125000
Burlington	38 00	95 30	do	50	1:125000
Caldwell	37 00	97 30	do	20	1:125000
Cheney	37 30	97 30	do	20	1:125000
Cheyenne Wells (Colo.-Kans.)	38 30	102 00	do	25	1:125000
Clay Center	39 00	97 00	do	20	1:125000
Coldwater	37 00	99 00	do	20	1:125000
Concordia	39 30	97 30	do	20	1:125000
Cottonwood Falls	38 00	96 30	do	50	1:125000
Dodge	37 30	100 00	do	20	1:125000
Eldorado	37 30	96 30	do	50	1:125000
Ellis	38 30	99 30	do	20	1:125000
Ellsworth	38 30	98 00	do	20	1:125000
Emporia	38 00	96 00	do	50	1:125000
Eskridge	38 30	96 00	do	50	1:125000
Eureka	37 30	96 00	do	50	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

KANSAS—Continued.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Fort Scott (Kans.-Mo.)	37	30	94	30	¼ degree	50	1:125000
Fredonia	37	30	95	30	.....do	50	1:125000
Garnett	38	00	95	00	.....do	50	1:125000
Granada (Colo.-Kans.)	38	00	102	00	.....do	25	1:125000
Great Bend	38	00	98	30	.....do	20	1:125000
Hiawatha	39	30	95	30	.....do	50	1:125000
Hill	39	00	99	30	.....do	20	1:125000
Hutchinson	38	00	97	30	.....do	20	1:125000
Independence	37	00	95	30	.....do	50	1:125000
Iola	37	30	95	00	.....do	50	1:125000
Joplin (Kans.-Mo.-Ind. T.)	37	00	94	30	.....do	50	1:125000
Junction City	39	00	96	30	.....do	50	1:125000
Kansas City (Kans.-Mo.)	39	00	94	30	.....do	50	1:125000
Kingman	37	30	98	00	.....do	20	1:125000
Kinsley	37	30	99	00	.....do	20	1:125000
Larned	38	00	99	00	.....do	20	1:125000
Lawrence	38	30	95	00	.....do	50	1:125000
Lyons	38	00	98	00	.....do	20	1:125000
Mankato	39	30	98	00	.....do	20	1:125000
Marysville	39	30	96	30	.....do	50	1:125000
Meade	37	00	100	00	.....do	20	1:125000
Medicine Lodge	37	00	98	30	.....do	20	1:125000
Minneapolis	39	00	97	30	.....do	20	1:125000
Mound City (Kans.-Mo.)	38	00	94	30	.....do	50	1:125000
Ness City	38	00	99	30	.....do	20	1:125000
Newton	38	00	97	00	.....do	50	1:125000
Norton	39	30	99	30	.....do	20	1:125000
Olathe (Kans.-Mo.)	38	30	94	30	.....do	50	1:125000
Oskaloosa (Kans.-Mo.)	39	00	95	00	.....do	50	1:125000
Parkerville	38	30	96	30	.....do	50	1:125000
Parsons	37	00	95	00	.....do	50	1:125000
Phillipsburg	39	30	99	00	.....do	20	1:125000
Pratt	37	30	98	30	.....do	20	1:125000
Salina	38	30	97	30	.....do	20	1:125000
Sedan	37	00	96	00	.....do	50	1:125000
Seneca	39	30	96	00	.....do	50	1:125000
Sitka	37	00	99	30	1/16 degree	20	1:62500
Smith Center	39	30	98	30	¼ degree	20	1:125000
Spearville	37	30	99	30	.....do	20	1:125000
Topeka	39	00	95	30	.....do	50	1:125000
Vilas (Colo.-Kans.)	37	00	102	00	.....do	25	1:125000
Wamego	39	00	96	00	.....do	50	1:125000
Washington	39	30	97	00	.....do	20	1:125000
Wellington	37	00	97	00	.....do	50	1:125000
Wichita	37	30	97	00	.....do	50	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

KENTUCKY.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Beattyville	37	30	83	30	¼ degree	100	1:125000
Cumberland Gap (Ky.-Va.-Tenn.)	36	30	83	30	do	100	1:125000
Estillville (Va.-Ky.-Tenn.)	36	30	82	30	do	100	1:125000
Grundy (Va.-Ky.)	37	00	82	00	do	100	1:125000
Hazard	37	00	83	00	do	100	1:125000
Jonesville (Ky.-Va.-Tenn.)	36	30	83	00	do	100	1:125000
London	37	00	84	00	do	100	1:125000
Manchester	37	00	83	30	do	100	1:125000
Oceana (W. Va.-Va.-Ky.)	37	30	81	30	do	100	1:125000
Prestonburg	37	30	82	30	do	100	1:125000
Richmond	37	30	84	00	do	100	1:125000
Salyersville	37	30	83	00	do	100	1:125000
Warfield (W. Va.-Ky.-Va.)	37	30	82	00	do	100	1:125000
Whitesburg (Ky.-Va.)	37	00	82	30	do	100	1:125000
Williamsburg (Ky.-Tenn.)	36	30	84	00	do	100	1:125000

LOUISIANA.

Barataria	29	30	90	00	1/16 degree	5	1:62500
Bayou de Large	29	15	90	45	do	None.	1:62500
Bodreau	29	45	89	15	do	None.	1:62500
Bonnet Carre	30	00	90	15	do	5	1:62500
Cat Island (La.-Miss.)	30	00	89	00	do	None.	1:62500
Chandeleur	29	45	89	00	do	None.	1:62500
Chef Menteur	30	00	89	45	do	None.	1:62500
Cheniere Caminada	29	00	90	00	do	None.	1:62500
Creole	29	15	90	00	do	None.	1:62500
Cut Off	29	30	90	15	do	5	1:62500
Dime	29	30	89	30	do	5	1:62500
Donaldsonville	30	00	90	45	do	5	1:62500
Dulac	29	15	90	30	do	5	1:62500
East Delta	29	00	89	00	do	None.	1:62500
Fort Livingston	29	15	89	45	do	None.	1:62500
Forts	29	15	89	15	do	None.	1:62500
Gibson	29	30	90	45	do	5	1:62500
Hahnville	29	45	90	15	do	5	1:62500
Houma	29	30	90	30	do	5	1:62500
Lac des Allemands	29	45	90	30	do	5	1:62500
La Fortuna	29	30	89	15	do	None.	1:62500
Lake Felicity	29	15	90	15	do	5	1:62500
Mount Airy	30	00	90	30	do	5	1:62500
New Orleans	29	45	90	00	do	5	1:62500
Pointe a la Hache	29	30	89	45	do	5	1:62500
Quarantine	29	15	89	30	do	5	1:62500
Rigolets (La.-Miss.)	30	00	89	30	do	None.	1:62500
St. Bernard	29	45	89	45	do	5	1:62500
Shell Beach	29	45	89	30	do	None.	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

LOUISIANA—Continued.

Name of atlas sheet.	Position of SE. corner of sheet.		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		Feet.	
Spanish Fort	30 00	90 00	1/16 degree	None.	1:62500
Thibodeaux	29 45	90 45	do	5	1:62500
Timbalier	29 00	90 15	do	None.	1:62500
Toulme (La.-Miss.)	30 00	89 15	do	None.	1:62500
West Delta	29 00	89 15	do	None.	1:62500

MAINE.

Name of atlas sheet.	Lat.	Long.	Area covered.	Contour interval.	Scale.
Augusta	44 15	69 45	1/16 degree	20	1:62500
Bath	43 45	69 45	do	20	1:62500
Berwick (Me.-N. H.)	43 15	70 45	do	20	1:62500
Biddeford	43 15	70 15	do	20	1:62500
Boothbay	43 45	69 30	do	20	1:62500
Buxton	43 30	70 30	do	20	1:62500
Casco Bay	43 30	70 00	do	20	1:62500
Dover (N. H.-Me.)	43 00	70 45	do	20	1:62500
Freeport	43 45	70 00	do	20	1:62500
Gardiner	44 00	69 45	do	20	1:62500
Gorham (N. H.-Me.)	44 15	71 00	do	20	1:62500
Gray	43 45	70 15	do	20	1:62500
Kennebunk	43 15	70 30	do	20	1:62500
Newfield (Me.-N. H.)	43 30	70 45	do	20	1:62500
Norridgewock	44 30	69 45	do	20	1:62500
North Conway (N. H.-Me.)	44 00	71 00	do	20	1:62500
Portland	43 30	70 15	do	20	1:62500
Small Point	43 30	69 45	do	20	1:62500
Vassalboro	44 15	69 30	do	20	1:62500
Waterville	44 30	69 30	do	20	1:62500
Wiscasset	44 00	69 30	do	20	1:62500
York (Me.-N. H.)	43 00	70 30	do	20	1:62500

MARYLAND.

Name of atlas sheet.	Lat.	Long.	Area covered.	Contour interval.	Scale.
Annapolis	38 45	76 15	1/16 degree	20	1:62500
Baltimore	39 15	76 30	do	20	1:62500
Brandywine	38 30	76 45	do	20	1:62500
Drum Point	38 15	76 15	do	20	1:62500
Ellicott	39 15	76 45	do	20	1:62500
Frederick (Md.-Va.)	39 00	77 00	¼ degree	50	1:125000
Fredericksburg (Va.-Md.)	38 00	77 00	do	50	1:125000
Gunpowder	39 15	76 15	1/16 degree	20	1:62500
Harpers Ferry (Va.-W. Va.-Md.)	39 00	77 30	¼ degree	100	1:125000
Laurel	39 00	76 45	1/16 degree	20	1:62500
Leonardtown	38 15	76 30	do	20	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

MARYLAND—Continued.

Name of atlas sheet.	Position of SE. corner of sheet. Lat.	Position of SE. corner of sheet. Long.	Area covered.	Contour interval.	Scale.
	° ′	° ′		*Feet.*	
Montross (Va.-Md.)	38 00	76 45	1/16 degree	20	1:62500
Mount Vernon (Va.-Md.-D. C.)	38 30	77 00	¼ degree	50	1:125000
Nomini (Md.-Va.)	38 00	76 30	do	20	1:125000
North Point	39 00	76 15	1/16 degree	20	1:62500
Owensville	38 45	76 30	do	20	1:62500
Piedmont (W. Va.-Md.)	39 00	79 00	¼ degree	100	1:125000
Piney Point (Md.-Va.)	38 00	76 30	1/16 degree	20	1:62500
Point Lookout (Md.-Va.)	38 00	76 15	do	20	1:62500
Prince Frederick	38 30	76 30	do	20	1:62500
Relay	39 00	76 30	do	20	1:62500
Romney (W. Va.-Va.-Md.)	39 00	78 30	¼ degree	100	1:125000
Sharps Island	38 30	76 15	1/16 degree	None.	1:62500
Washington (D. C.-Md.-Va.), double sheet	38 45	76 45	⅛ degree	20	1:62500
Wicomico (Md.-Va.)	38 15	76 45	1/16 degree	20	1:62500

MASSACHUSETTS.

Abington	42 00	70 45	1/16 degree	20	1:62500
Barnstable	41 32	70 15	do	20	1:62500
Barre	42 15	72 00	do	20	1:62500
Becket	42 15	73 00	do	20	1:62500
Belchertown	42 15	72 15	do	20	1:62500
Berlin (N. Y.-Mass.-Vt.)	42 30	73 15	do	20	1:62500
Blackstone (Mass.-R. I.)	42 00	71 30	do	20	1:62500
Boston	42 15	71 00	do	20	1:62500
Boston Bay	42 15	70 45	do	20	1:62500
Brookfield (Mass.-Conn.)	42 00	72 00	do	20	1:62500
Chatham	41 30	69 45	do	20	1:62500
Chesterfield	42 15	72 45	do	20	1:62500
Dedham	42 00	71 00	do	20	1:62500
Duxbury	42 00	70 30	do	20	1:62500
Fall River (Mass.-R. I.)	41 30	71 00	do	20	1:62500
Falmouth	41 30	70 30	do	20	1:62500
Fitchburg (Mass.-N. H.)	42 30	71 45	do	20	1:62500
Framingham	42 15	71 15	do	20	1:62500
Franklin (Mass.-R. I.)	42 00	71 15	do	20	1:62500
Gay Head	41 15	70 42	do	20	1:62500
Gloucester	42 30	70 30	do	20	1:62500
Granville (Mass.-Conn.)	42 00	72 45	do	20	1:62500
Greenfield (Mass.-Vt.)	42 30	72 30	do	20	1:62500
Greylock (Mass.-Vt.)	42 30	73 00	do	40	1:62500
Groton (Mass.-N. H.)	42 30	71 30	do	20	1:62500
Haverhill (Mass.-N. H.)	42 45	71 00	do	20	1:62500
Hawley (Mass.-Vt.)	42 30	72 45	do	20	1:62500
Lawrence	42 30	71 00	do	20	1:62500
Lowell (Mass.-N. H.)	42 30	71 15	do	20	1:62500
Marlboro	42 15	71 30	do	20	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

MASSACHUSETTS—Continued.

Name of atlas sheet.	Position of SE. corner of sheet.		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		Feet.	
Marthas Vineyard	41 15	70 27	⅛ degree	20	1:62500
Middleboro	41 45	70 45	do	20	1:62500
Muskeget	41 15	70 12	do	20	1:62500
Nantucket	41 13	69 57	do	20	1:62500
New Bedford	41 30	70 45	do	20	1:62500
Newburyport (Mass.-N. H.)	42 45	70 45	do	20	1:62500
Northampton	42 15	72 30	do	20	1:62500
Palmer (Mass.-Conn.)	42 00	72 15	do	20	1:62500
Pittsfield (Mass.-N. Y.)	42 15	73 15	do	20	1:62500
Plymouth	41 45	70 30	do	20	1:62500
Providence (Mass.-R. I.)	41 45	71 15	do	20	1:62500
Provincetown	42 00	70 00	do	20	1:62500
Sakonnet (R. I.-Mass.)	41 15	71 00	do	20	1:62500
Salem	42 30	70 45	do	20	1:62500
Sandisfield (Mass.-Conn.)	42 00	73 00	do	20	1:62500
Sheffield (Mass.-Conn.-N. Y.)	42 00	73 15	do	20	1:62500
Springfield (Mass.-Conn.)	42 00	72 30	do	20	1:62500
Taunton	41 45	71 00	do	20	1:62500
Warwick (Mass.-N. H.-Vt.)	42 30	72 15	do	20	1:62500
Webster (Mass.-Conn.-R. I.)	42 00	71 45	do	20	1:62500
Wellfleet	41 45	69 55	do	20	1:62500
Winchendon (Mass.-N. H.)	42 30	72 00	do	20	1:62500
Worcester	42 15	71 45	do	20	1:62500
Yarmouth	41 30	70 00	do	20	1:62500

MICHIGAN.

Ned Lake	46 15	88 15	⅛ degree	20	1:62500
Passage Island	48 00	88 15	do	20	1:62500
Perch Lake	46 15	88 30	do	20	1:62500

MINNESOTA.

Duluth	46 45	92 00	⅛ degree	20	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

MISSISSIPPI.

Name of atlas sheet.	Position of SE. corner of sheet.		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		*Feet.*	
Cat Island (La.-Miss.)	30 00	89 00	1/16 degree	None.	1:62500
Rigolets (La.-Miss.)	30 00	89 30	do	None.	1:62500
Toulme (La.-Miss.)	30 00	89 15	do	None.	1:62500

MISSOURI.

Atchison (Kans.-Mo.)	39 30	95 00	¼ degree	50	1:125000
Bolivar	37 30	93 00	do	50	1:125000
Boonville	38 30	92 30	do	50	1:125000
Butler	38 00	94 00	do	50	1:125000
Carthage	37 00	94 00	do	50	1:125000
Clinton	38 00	93 30	do	50	1:125000
Fort Scott (Kans.-Mo.)	37 30	94 30	do	50	1:125000
Fulton	38 30	91 30	do	50	1:125000
Glasgow	39 00	92 30	do	50	1:125000
Greenfield	37 00	93 30	do	50	1:125000
Harrisonville	38 30	94 00	do	50	1:125000
Hermann	38 30	91 00	do	50	1:125000
Independence	39 00	94 00	do	50	1:125000
Jefferson City	38 30	92 00	do	50	1:125000
Joplin (Kans.-Mo.-Ind. T.)	37 00	94 30	do	50	1:125000
Kansas City (Kans.-Mo.)	39 00	94 30	do	50	1:125000
Lexington	39 00	93 30	do	50	1:125000
Louisiana (Mo.-Ill.)	39 00	91 00	do	50	1:125000
Marshall	39 00	93 00	do	50	1:125000
Mexico	39 00	91 30	do	50	1:125000
Moberly	39 00	92 00	do	50	1:125000
Mound City (Kans.-Mo.)	38 00	94 30	do	50	1:125000
Mountain Home (Ark.-Mo.)	36 00	92 00	do	50	1:125000
Nevada	37 30	94 00	do	50	1:125000
Olathe (Kans.-Mo.)	38 30	94 30	do	50	1:125000
Oskaloosa (Kans.-Mo.)	39 00	95 00	do	50	1:125000
St. Louis (Mo.-Ill.), double sheet	38 30	90 00	⅛ degree	20	1:62500
Sedalia	38 30	93 00	¼ degree	50	1:125000
Springfield	37 00	93 00	do	50	1:125000
Stockton	37 30	93 30	do	50	1:125000
Tuscumbia	38 00	92 00	do	50	1:125000
Versailles	38 00	92 30	do	50	1:125000
Warrensburg	38 30	93 30	do	50	1:125000
Warsaw	38 00	93 00	do	50	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

MONTANA.

Name of atlas sheet.	Position of SE. corner of sheet.		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		*Feet.*	
Big Snowy Mountain	46 00	109 00	1 degree	200	1:250000
Big Timber	45 30	109 30	¼ degree	50	1:125000
Dillon	45 00	112 00	1 degree	200	1:250000
Fort Benton	47 00	110 00	do	200	1:250000
Fort Custer	45 30	107 30	¼ degree	50	1:125000
Fort Logan	46 00	111 00	1 degree	200	1:250000
Great Falls	47 00	111 00	do	200	1:250000
Helena	46 00	112 00	do	200	1:250000
Huntley	45 30	108 00	¼ degree	50	1:125000
Little Belt Mountains	46 00	110 00	1 degree	200	1:250000
Livingston (Mont.-Yellowstone Nat. Park)	45 00	110 00	do	200	1:250000
Rosebud	45 00	107 00	¼ degree	50	1:125000
St. Xavier	45 00	107 30	do	50, 100	1:125000
Stillwater	45 30	109 00	do	50	1:125000
Three Forks (Mont.-Yellowstone Nat. Park)	45 00	111 00	1 degree	200	1:250000

NEBRASKA.

Name of atlas sheet.	Lat.	Long.	Area covered.	Contour interval.	Scale.
Grand Island	40 45	98 15	1/16 degree	20	1:62500
Kearney	40 30	99 00	do	20	1:62500
Kenesaw	40 30	98 30	do	20	1:62500
Minden	40 30	98 45	do	20	1:62500
Wood River	40 45	98 30	do	20	1:62500

NEVADA.

Name of atlas sheet.	Lat.	Long.	Area covered.	Contour interval.	Scale.
Camp Mohave (Ariz.-Nev.-Cal.)	35 00	114 00	1 degree	250	1:250000
Carson	39 00	119 30	¼ degree	100	1:125000
Disaster	41 00	118 00	1 degree	200	1:250000
Granite Range	40 00	119 00	do	200	1:250000
Long Valley	41 00	119 00	do	200	1:250000
Markleeville (Cal.-Nev.)	38 30	119 30	¼ degree	100	1:125000
Paradise	41 00	117 00	1 degree	200	1:250000
Pioche (Nev.-Utah)	37 00	114 00	do	250	1:250000
Reno	39 30	119 30	¼ degree	100	1:125000
St. Thomas (Nev.-Ariz.)	36 00	114 00	1 degree	250	1:250000
Wabuska	39 00	119 00	¼ degree	100	1:125000
Wadsworth	39 30	119 00	do	100	1:125000
Wellington (Cal.-Nev.)	38 30	119 00	do	100	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

NEW HAMPSHIRE.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Berwick (Me.-N. H.)	43	15	70	45	1/16 degree	20	1:62500
Brattleboro (Vt.-N. H.)	42	45	72	30	.....do	20	1:62500
Crawford Notch	44	00	71	15	.....do	20	1:62500
Dover (N. H.-Me.)	43	00	70	45	.....do	20	1:62500
Fitchburg (Mass.-N. H.)	42	30	71	45	.....do	20	1:62500
Gorham (N. H.-Me.)	44	15	71	00	.....do	20	1:62500
Groton (Mass.-N. H.)	42	30	71	30	.....do	20	1:62500
Haverhill (Mass.-N. H.)	42	45	71	00	.....do	20	1:62500
Lowell (Mass.-N. H.)	42	30	71	15	.....do	20	1:62500
Mount Washington	44	15	71	15	.....do	20	1:62500
Newburyport (Mass.-N. H.)	42	45	70	45	.....do	20	1:62500
Newfield (Me.-N. H.)	43	30	70	45	.....do	20	1:62500
North Conway (N. H.-Me.)	44	00	71	00	.....do	20	1:62500
Warwick (Mass.-N. H.-Vt.)	42	30	72	15	.....do	20	1:62500
Winchendon (Mass.-N. H.)	42	30	72	00	.....do	20	1:62500
York (Me.-N. H.)	43	00	70	30	.....do	20	1:62500

NEW JERSEY.

Asbury Park	40	00	74	00	1/16 degree	10	1:62500
Atlantic City	39	15	74	15	.....do	10	1:62500
Barnegat	39	45	74	00	.....do	10	1:62500
Bayside (N. J.-Del.)	39	15	75	15	.....do	10	1:62500
Bordentown (N. J.-Pa.)	40	00	74	30	.....do	10	1:62500
Bridgeton	39	15	75	00	.....do	10	1:62500
Burlington (Pa.-N. J.)	40	00	74	45	.....do	20	1:62500
Cape May	38	45	74	45	.....do	10	1:62500
Cassville	40	00	74	15	.....do	10	1:62500
Delaware Water Gap (Pa.-N. J.)	40	45	75	00	.....do	20	1:62500
Dennisville	39	00	74	45	.....do	10	1:62500
Doylestown (Pa.-N. J.)	40	15	75	00	.....do	20	1:62500
Easton (Pa.-N. J.)	40	30	75	00	.....do	20	1:62500
Franklin	41	00	74	30	.....do	20	1:62500
Germantown (Pa.-N. J.)	40	00	75	00	.....do	20	1:62500
Glassboro	39	30	75	00	.....do	10	1:62500
Great Egg Harbor	39	15	74	30	.....do	10	1:62500
Greenwood Lake (N. J.-N. Y.)	41	00	74	15	.....do	20	1:62500
Hackettstown	40	45	74	45	.....do	20	1:62500
Hammonton	39	30	74	45	.....do	10	1:62500
Harlem (N. Y.-N. J.)	40	45	73	45	.....do	20	1:62500
High Bridge	40	30	74	45	.....do	20	1:62500
Lake Hopatcong	40	45	74	30	.....do	20	1:62500
Lambertville (Pa.-N. J.)	40	15	74	45	.....do	20	1:62500
Little Egg Harbor	39	30	74	15	.....do	10	1:62500
Long Beach	39	30	74	00	.....do	10	1:62500
Maurice Cove	39	00	75	00	.....do	10	1:62500
Morristown	40	45	74	15	.....do	20	1:62500
Mount Holly	39	45	74	45	.....do	10	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

NEW JERSEY—Continued.

Name of atlas sheet.	Position of SE. corner of sheet. Lat.		Position of SE. corner of sheet. Long.		Area covered.	Contour interval.	Scale.
	°	′	°	′		*Feet.*	
Mullica	39	30	74	30	$\frac{1}{16}$ degree	10	1:62500
New Brunswick	40	15	74	15	do	10	1:62500
Paterson (N. J.-N. Y.)	40	45	74	00	do	20	1:62500
Pemberton	39	45	74	30	do	10	1:62500
Philadelphia (Pa.-N. J.)	39	45	75	00	do	10, 20	1:62500
Plainfield	40	30	74	15	do	20	1:62500
Princeton	40	15	74	30	do	10	1:62500
Ramapo (N. J.-N. Y.)	41	00	74	00	do	20	1:62500
Salem	39	30	75	15	do	10	1:62500
Sandy Hook	40	15	74	00	do	10	1:62500
Sandy Hook and Long Branch	40	15	73	58	$\frac{1}{14}$ degree	10	1:62500
Sea Isle	39	00	74	30	$\frac{1}{16}$ degree	10	1:62500
Somerville	40	30	74	30	do	20	1:62500
Staten Island (N. J.-N. Y.)	40	30	74	00	do	20	1:62500
Tarrytown (N. Y.-N. J.)	41	00	73	45	do	20	1:62500
Tuckahoe	39	15	74	45	do	10	1:62500
Wallpack (N. J.-Pa.)	41	00	74	45	do	20	1:62500
Whitings	39	45	74	15	do	10	1:62500

NEW MEXICO.

Name of atlas sheet.	Lat. °	Lat. ′	Long. °	Long. ′	Area covered.	Contour interval.	Scale.
Albuquerque	35	00	106	30	½ degree	50	1:125000
Bernal	35	00	105	00	do	50	1:125000
Canyon de Chelly (Ariz.-N. Mex.)	36	00	109	00	1 degree	200	1:250000
Chaco	36	00	108	00	do	200	1:250000
Corazon	35	00	104	30	½ degree	50	1:125000
Fort Defiance (Ariz.-N. Mex.)	35	00	109	00	1 degree	200	1:250000
Jemes	35	30	106	30	½ degree	100	1:125000
Lamy	35	00	105	30	do	50, 100	1:125000
Largo	36	00	107	00	1 degree	200	1:250000
Las Cruces	32	00	106	30	½ degree	25, 50	1:125000
Las Vegas	35	30	105	00	do	50	1:125000
Mount Taylor	35	00	107	00	1 degree	200	1:250000
St. Johns (Ariz.-N. Mex.)	34	00	109	00	do	200	1:250000
San Pedro	35	00	106	00	½ degree	50, 100	1:125000
Santa Clara	35	30	106	00	do	100	1:125000
Santa Fe	35	30	105	30	do	100	1:125000
Watrous	35	30	104	30	do	50	1:125000
Wingate	35	00	108	00	1 degree	200	1:250000

List of atlas sheets engraved and printed, arranged by States—Continued.

NEW YORK.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Albany	42	30	73	45	1/16 degree	20	1:62500
Albany and vicinity	42	30	73	30	1/4 degree	20	1:62500
Amsterdam	42	45	74	00	1/16 degree	20	1:62500
Ausable	44	15	73	30	do	20	1:62500
Berlin (N. Y.-Mass.-Vt.)	42	30	73	15	do	20	1:62500
Brooklyn	40	30	73	45	do	20	1:62500
Buffalo	42	45	78	45	do	20	1:62500
Cambridge (N. Y.-Vt.)	43	00	73	15	do	20	1:62500
Cape Vincent (N. Y.-Canada)	44	00	76	15	do	20	1:62500
Carmel (N. Y.-Conn.)	41	15	73	30	do	20	1:62500
Catskill	42	00	73	45	do	20	1:62500
Chittenango	43	00	75	45	do	20	1:62500
Clove (N. Y.-Conn.)	41	30	73	30	do	20	1:62500
Cohoes	42	45	73	30	do	20	1:62500
Cornwall (Conn.-N. Y.)	41	45	73	15	do	20	1:62500
Coxsackie	42	15	73	45	do	20	1:62500
Durham	42	15	74	00	do	20	1:62500
Elizabethtown	44	00	73	30	do	20	1:62500
Elmira (N. Y.-Pa.)	42	00	76	45	do	20	1:62500
Fort Ann (N. Y.-Vt.)	43	15	73	15	do	20	1:62500
Greenwood Lake (N. J.-N. Y.)	41	00	74	15	do	20	1:62500
Harlem (N. Y.-N. J.)	40	45	73	45	do	20	1:62500
Ithaca	42	15	76	30	do	20	1:62500
Kaaterskill	42	00	74	00	do	20	1:62500
Mooers	44	45	73	30	do	20	1:62500
Mount Marcy	44	00	73	45	do	20	1:62500
New London (Conn.-N. Y.)	41	15	72	00	do	20	1:62500
New York and vicinity	40	18	73	45	5/12 degree	20	1:62500
Niagara Falls	43	00	79	00	1/16 degree	20	1:62500
Niagara Falls and vicinity	43	00	78	45	5/36 degree	20	1:62500
Norwalk (Conn.-N. Y.)	41	00	73	15	1/16 degree	20	1:62500
Oneida	43	00	75	30	do	20	1:62500
Ontario Beach	43	15	77	30	do	20	1:62500
Oriskany	43	00	75	15	do	20	1:62500
Paterson (N. J.-N. Y)	40	45	74	00	do	20	1:62500
Pittsfield (Mass.-N. Y.)	42	15	73	15	do	20	1:62500
Plattsburg (N. Y.-Vt.)	44	30	73	15	do	20	1:62500
Port Henry (N. Y.-Vt.)	44	00	73	15	do	20	1:62500
Poughkeepsie	41	30	73	45	do	20	1:62500
Pulaski	43	30	76	00	do	20	1:62500
Ramapo (N. J.-N. Y.)	41	00	74	00	do	20	1:62500
Rhinebeck	41	45	73	45	do	20	1:62500
Rochester	43	00	77	30	do	20	1:62500
Rochester (special map)	43	05	77	30	do	20	1:62500
Rouse Point (N. Y.-Vt.)	44	45	73	15	do	20	1:62500
Sacketts Harbor	43	45	76	00	do	20	1:62500
Schenectady	42	45	73	45	do	20	1:62500
Sheffield (Mass.-Conn.-N. Y.)	42	00	73	15	do	20	1:62500
Stamford (Conn.-N. Y.)	41	00	73	30	do	20	1:62500
Staten Island (N. J.-N. Y.)	40	30	74	00	do	20	1:62500
Stonington (Conn.-R. I.-N. Y.)	41	15	71	45	do	20	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

NEW YORK—Continued.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		Feet.	
Stony Island	43	45	76	15	1/16 degree	20	1:62500
Syracuse	43	00	76	00	do	20	1:62500
Tarrytown (N. Y.-N. J.)	41	00	73	45	do	20	1:62500
Tonawanda	43	00	78	45	do	20	1:62500
Troy	42	30	73	30	do	20	1:62500
Watertown	43	45	75	45	do	20	1:62500
West Point	41	15	73	45	do	20	1:62500
Whitehall (N. Y.-Vt.)	43	30	73	15	do	20	1:62500
Willsboro (N. Y.-Vt.)	44	15	73	15	do	20	1:62500
Wilson	43	15	78	45	do	20	1:62500

NORTH CAROLINA.

Name of atlas sheet.	Lat. °	Lat. ′	Long. °	Long. ′	Area covered.	Contour interval.	Scale.
Abingdon (Tenn.-Va.-N. C.)	36	30	81	30	¼ degree	100	1:125000
Asheville (N. C.-Tenn.)	35	30	82	30	do	100	1:125000
Cowee (N. C.-S. C.)	35	00	83	00	do	100	1:125000
Cranberry (N. C.-Tenn.)	36	00	81	30	do	100	1:125000
Dahlonega (Ga.-N. C.)	34	30	83	30	do	100	1:125000
Ellijay (Ga.-N. C.-Tenn.)	34	30	84	00	do	100	1:125000
Greeneville (Tenn.-N. C.)	36	00	82	30	do	100	1:125000
Hickory	35	30	81	00	do	50	1:125000
Hillsville (Va.-N. C.)	36	30	80	30	do	100	1:125000
Knoxville (Tenn.-N. C.)	35	30	83	30	do	100	1:125000
Morganton	35	30	81	30	do	100	1:125000
Mount Guyot (Tenn.-N. C.)	35	30	83	00	do	100	1:125000
Mount Mitchell (N. C.-Tenn.)	35	30	82	00	do	100	1:125000
Murphy (Tenn.-N. C.)	35	00	84	00	do	100	1:125000
Nantahala (N. C.-Tenn.)	35	00	83	30	do	100	1:125000
Norfolk (Va.-N. C.)	36	30	76	00	do	5	1:125000
Pisgah (N. C.-S. C.)	35	00	82	30	do	100	1:125000
Roan Mountain (Tenn.-N. C.)	36	00	82	00	do	100	1:125000
Saluda (N. C.-S. C.)	35	00	82	00	do	100	1:125000
Statesville	35	30	80	30	do	50	1:125000
Virginia Beach (Va.-N. C.)	36	30	75	30	do	5	1:125000
Walhalla (Ga.-S. C.-N. C.)	34	30	83	00	do	100	1:125000
Wilkesboro	36	00	81	00	do	100	1:125000
Wytheville (Va.-N. C.)	36	30	81	00	do	100	1:125000
Yadkinville	36	00	80	30	do	100	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

NORTH DAKOTA.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	'	°	'		*Feet.*	
Ellendale (N. Dak.-S. Dak.)	45	45	98	30	1/16 degree	20	1:62500
Fullerton	46	00	98	15	do	20	1:62500
Hecla (S. Dak.-N. Dak.)	45	45	98	00	do	20	1:62500
Lamoure	46	15	98	15	do	20	1:62500
Monango	46	00	98	30	do	20	1:62500
Oakes	46	00	98	00	do	20	1:62500
Savo (N. Dak.-S. Dak.)	45	45	98	15	do	20	1:62500

OHIO.

Huntington (W. Va.-Ohio)	38	00	82	00	¼ degree	100	1:125000

OKLAHOMA.

Kingfisher	35	30	97	30	¼ degree	20	1:125000

OREGON.

Ashland	42	00	122	00	1 degree	200	1:250000
Klamath	42	00	121	00	do	200	1:250000
Nampa (Idaho-Oreg.)	43	30	116	30	¼ degree	25, 50, 100	1:125000

PENNSYLVANIA.

Allentown	40	30	75	15	1/16 degree	20	1:62500
Bloomsburg	41	00	76	15	do	20	1:62500
Bordentown (N. J.-Pa.)	40	00	74	30	do	10	1:62500
Burlington (Pa.-N. J.)	40	00	74	45	do	20	1:62500
Catawissa	40	45	76	15	do	20	1:62500
Delaware Water Gap (Pa.-N. J.)	40	45	75	00	do	20	1:62500
Doylestown (Pa.-N. J.)	40	15	75	00	do	20	1:62500
Dundaff	41	30	75	30	do	20	1:62500
Easton (Pa.-N. J.)	40	30	75	00	do	20	1:62500
Elmira (N. Y.-Pa.)	42	00	76	45	do	20	1:62500
Germantown (Pa.-N. J.)	40	00	75	00	do	20	1:62500
Harrisburg	40	15	76	45	do	20	1:62500
Harvey Lake	41	15	76	00	do	20	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

PENNSYLVANIA—Continued.

Name of atlas sheet.	Position of SE. corner of sheet.		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		*Feet.*	
Hazleton	40 45	75 45	$\frac{1}{16}$ degree	20	1:62500
Honesdale	41 30	75 15	.....do	20	1:62500
Hummelstown	40 15	76 30	.....do	20	1:62500
Lambertville (Pa.-N. J.)	40 15	74 45	.....do	20	1:62500
Lebanon	40 15	76 15	.....do	20	1:62500
Lykens	40 30	76 30	.....do	20	1:62500
Mahanoy	40 45	76 00	.....do	20	1:62500
Millersburg	40 30	76 45	.....do	20	1:62500
Philadelphia (Pa.-N. J.)	39 45	75 00	.....do	10, 20	1:62500
Pine Grove	40 30	76 15	.....do	20	1:62500
Pittston	41 15	75 45	.....do	20	1:62500
Pottsville	40 30	76 00	.....do	20	1:62500
Quakertown	40 15	75 15	.....do	20	1:62500
Reading	40 15	75 45	.....do	20	1:62500
Scranton	41 15	75 30	.....do	20	1:62500
Shamokin	40 45	76 30	.....do	20	1:62500
Shickshinny	41 00	76 00	.....do	20	1:62500
Sunbury	40 45	76 45	.....do	20	1:62500
Wallpack (N. J.-Pa.)	41 00	74 45	.....do	20	1:62500
Wilkesbarre	41 00	75 45	.....do	20	1:62500

RHODE ISLAND.

Name of atlas sheet.	Lat.	Long.	Area covered.	Contour interval.	Scale.
Blackstone (Mass.-R. I.)	42 00	71 30	$\frac{1}{16}$ degree	20	1:62500
Block Island	41 00	71 30	.....do	20	1:62500
Burrillville	41 45	71 30	.....do	20	1:62500
Charlestown	41 15	71 30	.....do	20	1:62500
Fall River (Mass.-R. I.)	41 30	71 00	.....do	20	1:62500
Franklin (Mass.-R. I.)	42 00	71 15	.....do	20	1:62500
Kent	41 30	71 30	.....do	20	1:62500
Moosup (Conn.-R. I.)	41 30	71 45	.....do	20	1:62500
Narragansett Bay	41 30	71 15	.....do	20	1:62500
Newport	41 15	71 15	.....do	20	1:62500
Providence (Mass.-R. I.)	41 45	71 15	.....do	20	1:62500
Putnam (Conn.-R. I.)	41 45	71 45	.....do	20	1:62500
Sakonnet (R. I.-Mass.)	41 15	71 00	.....do	20	1:62500
Stonington (Conn.-R. I.-N. Y.)	41 15	71 45	.....do	20	1:62500
Webster (Mass.-Conn.-R. I.)	42 00	71 45	.....do	20	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

SOUTH CAROLINA.

Name of atlas sheet.	Position of SE. corner of sheet.		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		*Feet.*	
Abbeville	34 00	82 00	¼ degree	50	1:125000
Carnesville (Ga.-S. C.)	34 00	83 00	do	50	1:125000
Cowee (N. C.-S. C.)	35 00	83 00	do	100	1:125000
Elberton (Ga.-S. C.)	34 00	82 30	do	50	1:125000
McCormick (Ga.-S. C.)	33 30	82 00	do	50	1:125000
Pickens	34 30	82 30	do	100	1:125000
Pisgah (N. C.-S. C.)	35 00	82 30	do	100	1:125000
Saluda (N. C.-S. C.)	35 00	82 00	do	100	1:125000
Walhalla (Ga.-S. C.-N. C.)	34 30	83 00	do	100	1:125000

SOUTH DAKOTA.

Columbia	45 30	98 15	1/16 degree	20	1:62500
Conde	45 00	98 00	do	20	1:62500
Deadwood	44 00	103 30	¼ degree	100	1:125000
Ellendale (N. Dak.-S. Dak.)	45 45	98 30	1/16 degree	20	1:62500
Hecla (S. Dak.-N. Dak.)	45 45	98 00	do	20	1:62500
Hermosa	43 30	103 00	¼ degree	100	1:125000
Rapid	44 00	103 00	do	50	1:125000
Savo (N. Dak.-S. Dak.)	45 45	98 15	1/16 degree	20	1:62500

TENNESSEE.

Abingdon (Tenn.-Va.-N. C.)	36 30	81 30	¼ degree	100	1:125000
Asheville (N. C.-Tenn.)	35 30	82 30	do	100	1:125000
Briceville	36 00	84 00	do	100	1:125000
Bristol (Va.-Tenn.)	36 30	82 00	do	100	1:125000
Chattanooga	35 00	85 00	do	100	1:125000
Cleveland	35 00	84 30	do	100	1:125000
Cranberry (N. C.-Tenn.)	36 00	81 30	do	100	1:125000
Cumberland Gap (Ky.-Va.-Tenn.)	36 30	83 30	do	100	1:125000
Dalton (Ga.-Tenn.)	34 30	84 30	do	100	1:125000
Ellijay (Ga.-N. C.-Tenn.)	34 30	84 00	do	100	1:125000
Estillville (Va.-Ky.-Tenn.)	36 30	82 30	do	100	1:125000
Greeneville (Tenn.-N. C.)	36 00	82 30	do	100	1:125000
Huntsville (Ala.-Tenn.)	34 30	86 30	do	100	1:125000
Jonesville (Ky.-Va.-Tenn.)	36 30	83 00	do	100	1:125000
Kingston	35 30	84 30	do	100	1:125000
Knoxville (Tenn.-N. C.)	35 30	83 30	do	100	1:125000
Loudon	35 30	84 00	do	100	1:125000
McMinnville	35 30	85 30	do	100	1:125000
Maynardville	36 00	83 30	do	100	1:125000
Morristown	36 00	83 00	do	100	1:125000
Mount Guyot (Tenn.-N. C.)	35 30	83 00	do	100	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

TENNESSEE—Continued.

Name of atlas sheet.	Position of SE. corner of sheet.		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		*Feet.*	
Mount Mitchell (N. C.-Tenn.)	35 30	82 00	¼ degree	100	1:125000
Murphy (Tenn.-N. C.)	35 00	84 00	do	100	1:125000
Nantahala (N. C.-Tenn.)	35 00	83 30	do	100	1:125000
Pikeville	35 30	85 00	do	100	1:125000
Ringgold (Ga.-Tenn.)	34 30	85 00	do	100	1:125000
Roan Mountain (Tenn.-N. C.)	36 00	82 00	do	100	1:125000
Scottsboro (Ala.-Tenn.)	34 30	86 00	do	100	1:125000
Sewanee	35 00	85 30	do	100	1:125000
Stevenson (Ala.-Ga.-Tenn.)	34 30	85 30	do	100	1:125000
Wartburg	36 00	84 30	do	100	1:125000
Williamsburg (Ky.-Tenn.)	36 30	84 00	do	100	1:125000

TEXAS.

Name of atlas sheet.	Lat.	Long.	Area covered.	Contour interval.	Scale.
Abilene	32 00	99 30	¼ degree	50	1:125000
Albany	32 30	99 00	do	50	1:125000
Anson	32 30	99 30	do	50	1:125000
Austin	30 00	97 30	do	50	1:125000
Ballinger	31 30	99 30	do	50	1:125000
Bastrop	30 00	97 00	do	50	1:125000
Blanco	30 00	98 00	do	50	1:125000
Brady	31 00	99 00	do	50	1:125000
Breckenridge	32 30	98 30	do	50	1:125000
Brownwood	31 30	98 30	do	50	1:125000
Burnet	30 30	98 00	do	50	1:125000
Chispa (Tex.-Mexico)	30 30	104 30	do	50	1:125000
Cleburne	32 00	97 00	do	50	1:125000
Coleman	31 30	99 00	do	50	1:125000
Dallas	32 30	96 30	do	50	1:125000
Eastland	32 00	98 30	do	50	1:125000
Eden	31 00	99 30	do	50	1:125000
El Paso	31 30	106 00	do	25, 50	1:125000
Fort Hancock (Tex.-Mexico)	31 00	105 30	do	50	1:125000
Fort McKavett	30 30	100 00	do	25	1:125000
Fort Worth	32 30	97 00	do	50	1:125000
Fredericksburg	30 00	98 30	do	50	1:125000
Gatesville	31 00	97 30	do	50	1:125000
Georgetown	30 30	97 30	do	50	1:125000
Granbury	32 00	97 30	do	50	1:125000
Hamilton	31 30	98 00	do	50	1:125000
Hayrick	31 30	100 00	do	50	1:125000
Kerrville	30 00	99 00	do	50	1:125000
Lampasas	31 00	98 00	do	50	1:125000
Llano	30 30	98 30	do	50	1:125000
Marfa	30 00	104 00	do	50	1:125000
Mason	30 30	99 00	do	50	1:125000
Meridian	31 30	97 30	do	50	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

TEXAS—Continued.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		*Feet.*	
Nueces	29	30	100	00	¼ degree	50	1:125000
Palo Pinto	32	30	98	00	do	50	1:125000
Roby	32	30	100	00	do	25	1:125000
Rock Springs	30	00	100	00	do	25	1:125000
Salt Basin	31	30	105	00	do	50	1:125000
San Angelo	31	00	100	00	do	50	1:125000
San Saba	31	00	98	30	do	50	1:125000
Sherwood	31	00	100	30	do	25	1:125000
Sierra Blanca	31	00	105	00	do	50	1:125000
Stephenville	32	00	98	00	do	50	1:125000
Sweetwater	32	00	100	00	do	25	1:125000
Taylor	30	30	97	00	do	50	1:125000
Temple	31	00	97	00	do	50	1:125000
Waco	31	30	97	00	do	50	1:125000
Weatherford	32	30	97	30	do	50	1:125000

UTAH.

Name of atlas sheet.	Lat.		Long.		Area covered.	Contour interval.	Scale.
Abajo (Utah-Colo.)	37	00	109	00	1 degree	250	1:250000
Ashley (Utah-Colo.)	40	00	109	00	do	250	1:250000
Beaver	38	00	112	00	do	250	1:250000
East Tavaputs (Utah-Colo.)	39	00	109	00	do	250	1:250000
Escalante	37	00	111	00	do	250	1:250000
Fish Lake	38	00	111	00	do	250	1:250000
Henry Mountains	37	00	110	00	do	250	1:250000
Kanab	37	00	112	00	do	250	1:250000
La Sal (Utah-Colo.)	38	00	109	00	do	250	1:250000
Manti	39	00	111	00	do	250	1:250000
Pioche (Nev.-Utah)	37	00	114	00	do	250	1:250000
Price River	39	00	110	00	do	250	1:250000
St. George	37	00	113	00	do	250	1:250000
Salt Lake	40	00	111	00	do	250	1:250000
San Rafael	38	00	110	00	do	250	1:250000
Sevier Desert	39	00	112	00	do	250	1:250000
Tooele Valley	40	00	112	00	do	250	1:250000
Uinta	40	00	110	00	do	250	1:250000

List of atlas sheets engraved and printed, arranged by States—Continued.

VERMONT.

Name of atlas sheet.	Position of SE corner of sheet. Lat.	Position of SE corner of sheet. Long.	Area covered.	Contour interval.	Scale.
	° ′	° ′		Feet.	
Berlin (N. Y.-Mass.-Vt.)	42 30	73 15	1/16 degree	20	1:62500
Brattleboro (Vt.-N. H.)	42 45	72 30	do	20	1:62500
Cambridge (N. Y.-Vt.)	43 00	73 15	do	20	1:62500
Fort Ann (N. Y.-Vt.)	43 15	73 15	do	20	1:62500
Greenfield (Mass.-Vt.)	42 30	72 30	do	20	1:62500
Greylock (Mass.-Vt.)	42 30	73 00	do	40	1:62500
Hawley (Mass.-Vt.)	42 30	72 45	do	20	1:62500
Londonderry	43 00	72 45	do	20	1:62500
Plattsburg (N. Y.-Vt.)	44 30	73 15	do	20	1:62500
Port Henry (N. Y.-Vt.)	44 00	73 15	do	20	1:62500
Rouse Point (N. Y.-Vt.)	44 45	73 15	do	20	1:62500
Rutland	43 30	72 45	do	20	1:62500
Wallingford	43 15	72 45	do	20	1:62500
Warwick (Mass.-N. H.-Vt.)	42 30	72 15	do	20	1:62500
Whitehall (N. Y.-Vt.)	43 30	73 15	do	20	1:62500
Willsboro (N. Y.-Vt.)	44 15	73 15	do	20	1:62500
Wilmington	42 45	72 45	do	20	1:62500

VIRGINIA.

Name of atlas sheet.	Lat.	Long.	Area covered.	Contour interval.	Scale.
Abingdon (Tenn.-Va.-N. C.)	36 30	81 30	¼ degree	100	1:125000
Appomattox	37 00	78 30	do	50	1:125000
Bermuda Hundred	37 15	77 15	1/16 degree	20	1:62500
Beverly (W. Va.-Va.)	38 30	79 30	¼ degree	100	1:125000
Bristol (Va.-Tenn.)	36 30	82 00	do	100	1:125000
Buckingham	37 30	78 30	do	100	1:125000
Christiansburg (Va.-W. Va.)	37 00	80 00	do	100	1:125000
Cumberland Gap (Ky.-Va.-Tenn.)	36 30	83 30	do	100	1:125000
Dublin (Va.-W. Va.)	37 00	80 30	do	100	1:125000
Estillville (Va.-Ky.-Tenn.)	36 30	82 30	do	100	1:125000
Farmville	37 00	78 00	do	50	1:125000
Franklin (W. Va.-Va.)	38 30	79 00	do	100	1:125000
Frederick (Md.-Va.)	39 00	77 00	do	50	1:125000
Fredericksburg (Va.-Md.)	38 00	77 00	do	50	1:125000
Goochland	37 30	77 30	do	50	1:125000
Gordonsville	38 00	78 00	do	100	1:125000
Grundy (Va.-Ky.)	37 00	82 00	do	100	1:125000
Harpers Ferry (Va.-W. Va.-Md.)	39 00	77 30	do	100	1:125000
Harrisonburg	38 00	78 30	do	100	1:125000
Hillsville (Va.-N. C.)	36 30	80 30	do	100	1:125000
Jonesville (Ky.-Va.-Tenn.)	36 30	83 00	do	100	1:125000
Lewisburg (Va.-W. Va.)	37 30	80 00	do	100	1:125000
Lexington	37 30	79 00	do	100	1:125000
Luray	38 30	78 00	do	100	1:125000
Lynchburg	37 00	79 00	do	100	1:125000
Monterey (Va.-W. Va.)	38 00	79 30	do	100	1:125000
Montross (Va.-Md.)	38 00	76 45	1/16 degree	20	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

VIRGINIA—Continued.

Name of atlas sheet.	Position of SE. corner of sheet.		Area covered.	Contour interval.	Scale.
	Lat.	Long.			
	° ′	° ′		*Feet.*	
Mount Vernon (Va.-Md.-D. C.)	38 30	77 00	¼ degree	50	1:125000
Natural Bridge	37 30	79 30	do	100	1:125000
Nomini (Md.-Va.)	38 00	76 30	do	20	1:125000
Norfolk (Va.-N. C.)	36 30	76 00	do	5	1:125000
Oceana (W. Va.-Va.-Ky.)	37 30	81 30	do	100	1:125000
Palmyra	37 30	78 00	do	50	1:125000
Petersburg	37 00	77 15	1/16 degree	20	1:62500
Piney Point (Md.-Va.)	38 00	76 30	do	20	1:62500
Pocahontas (Va.-W. Va.)	37 00	81 00	¼ degree	100	1:125000
Point Lookout (Md.-Va.)	38 00	76 15	1/16 degree	20	1:62500
Richmond	37 30	77 15	do	20	1:62500
Roanoke	37 00	79 30	¼ degree	100	1:125000
Romney (W. Va.-Va.-Md.)	39 00	78 30	do	100	1:125000
Spottsylvania	38 00	77 30	do	50	1:125000
Staunton (Va.-W. Va.)	38 00	79 00	do	100	1:125000
Tazewell (Va.-W. Va.)	37 00	81 30	do	100	1:125000
Virginia Beach (Va.-N. C.)	36 30	75 30	do	5	1:125000
Warfield (W. Va.-Ky.-Va.)	37 30	82 00	do	100	1:125000
Warrenton	38 30	77 30	do	50	1:125000
Washington (D. C.-Md.-Va.), double sheet	38 45	76 45	⅛ degree	20	1:62500
Whitesburg (Ky.-Va.)	37 00	82 30	¼ degree	100	1:125000
Wicomico (Md.-Va.)	38 15	76 45	1/16 degree	20	1:62500
Winchester (Va.-W. Va.)	39 00	78 00	¼ degree	100	1:125000
Woodstock (Va.-W. Va.)	38 30	78 30	do	100	1:125000
Wytheville (Va.-N. C.)	36 30	81 00	do	100	1:125000

WASHINGTON.

Seattle	47 30	122 15	1/16 degree	25	1:62500

WEST VIRGINIA.

Beverly (W. Va.-Va.)	38 30	79 30	¼ degree	100	1:125000
Buckhannon	38 30	80 00	do	100	1:125000
Charleston	38 00	81 30	do	100	1:125000
Christiansburg (Va.-W. Va.)	37 00	80 00	do	100	1:125000
Dublin (Va.-W. Va.)	37 00	80 30	do	100	1:125000
Franklin (W. Va.-Va.)	38 30	79 00	do	100	1:125000
Harpers Ferry (Va.-W. Va.-Md.)	39 00	77 30	do	100	1:125000
Hinton	37 30	80 30	do	100	1:125000
Huntersville	38 00	80 00	do	100	1:125000

List of atlas sheets engraved and printed, arranged by States—Continued.

WEST VIRGINIA—Continued.

Name of atlas sheet.	Position of SE. corner of sheet.				Area covered.	Contour interval.	Scale.
	Lat.		Long.				
	°	′	°	′		Feet.	
Huntington (W. Va.-Ohio)	38	00	82	00	¼ degree	100	1:125000
Kanawha Falls	38	00	81	00	do	100	1:125000
Lewisburg (Va.-W. Va.)	37	30	80	00	do	100	1:125000
Monterey (Va.-W. Va.)	38	00	79	30	do	100	1:125000
Nicholas	38	00	80	30	do	100	1:125000
Oceana (W. Va.-Va.-Ky.)	37	30	81	30	do	100	1:125000
Piedmont (W. Va.-Md.)	39	00	79	00	do	100	1:125000
Pocahontas (Va.-W. Va.)	37	00	81	00	do	100	1:125000
Raleigh	37	30	81	00	do	100	1:125000
Romney (W. Va.-Va.-Md.)	39	00	78	30	do	100	1:125000
St. George	39	00	79	30	do	100	1:125000
Staunton (Va.-W. Va.)	38	00	79	00	do	100	1:125000
Sutton	38	30	80	30	do	100	1:125000
Tazewell (Va.-W. Va.)	37	00	81	30	do	100	1:125000
Warfield (W. Va.-Ky.-Va.)	37	30	82	00	do	100	1:125000
Winchester (Va.-W Va.)	39	00	78	00	do	100	1:125000
Woodstock (Va.-W. Va.)	38	30	78	30	do	100	1:125000

WISCONSIN.

Name of atlas sheet.	Lat. °	Lat. ′	Long. °	Long. ′	Area covered.	Contour interval.	Scale.
Baraboo	43	15	89	30	1/16 degree	20	1:62500
Bay View	42	45	87	45	do	20	1:62500
Brodhead	42	30	89	15	do	20	1:62500
Delavan	42	30	88	30	do	20	1:62500
Eagle	42	45	88	15	do	20	1:62500
Evansville	42	45	89	15	do	20	1:62500
Geneva	42	30	88	15	do	20	1:62500
Janesville	42	30	89	00	do	20	1:62500
Koshkonong	42	45	88	45	do	20	1:62500
Madison	43	00	89	15	do	20	1:62500
Milwaukee	43	00	87	45	do	20	1:62500
Muskego	42	45	88	00	do	20	1:62500
Oconomowoc	43	00	88	15	do	20	1:62500
Portage	43	30	89	15	do	20	1:62500
Port Washington	43	15	87	45	do	20	1:62500
Racine	42	30	87	45	do	20	1:62500
Shopiere	42	30	88	45	do	20	1:62500
Silver Lake	42	30	88	00	do	20	1:62500
Stoughton	42	45	89	00	do	20	1:62500
Sun Prairie	43	00	89	00	do	20	1:62500
Waterloo	43	00	88	45	do	20	1:62500
Watertown	43	00	88	30	do	20	1:62500
Waukesha	43	00	88	00	do	20	1:62500
Whitewater	42	45	88	30	do	20	1:62500

List of atlas sheets engraved and printed, arranged by States—Continued.

WYOMING.

Name of atlas sheet.	Position of SE. corner of sheet. Lat.		Position of SE. corner of sheet. Long.		Area covered.	Contour interval.	Scale.
	°	′	°	′		*Feet.*	
Dayton	44	45	107	00	¼ degree	100	1:125000
Fort Steele	41	30	106	30	do	25, 50	1:125000
Ishawooa	44	00	109	30	do	100	1:125000
Lake (Yellowstone National Park-Wyo.)	44	00	110	00	do	100	1:125000
Shoshone (Yellowstone National Park-Wyo.)	44	00	110	30	do	100	1:125000

YELLOWSTONE NATIONAL PARK.

Name of atlas sheet.	Lat. °	Lat. ′	Long. °	Long. ′	Area covered.	Contour interval.	Scale.
Canyon	44	30	110	00	¼ degree	100	1:125000
Gallatin	44	30	110	30	do	100	1:125000
Lake (Yellowstone National Park-Wyo.)	44	00	110	00	do	100	1:125000
Livingston (Mont.-Yellowstone Nat. Park)	45	00	110	00	1 degree	200	1:250000
Shoshone (Yellowstone Nat. Park-Wyo.)	44	00	110	30	¼ degree	100	1:125000
Three Forks (Mont.-Yellowstone Nat. Park)	45	00	111	00	1 degree	200	1:250000
Yellowstone National Park	44	00	110	00	do	100	1:125000

GENERAL, COMBINED, AND SPECIAL MAPS.

In addition to the topographic atlas sheets, the Survey has prepared and printed, as listed below—

(a) Certain general maps needed in its work;

(b) Maps made by combining together certain topographic atlas sheets;

(c) Special maps covering areas of peculiar economic importance.

In respect to all its maps, the United States Geological Survey invites correspondence with engineers and others interested in or familiar with the region covered by particular sheets. Upon application, information will be supplied relative to the cost of printing special editions of any of these maps.

List of general maps.

Locality.	Number of sheets.	Size.	Scale.	
			Fractional.	Miles to 1 inch.
United States:		*Inches.*		
Contour map	9	49×76	1:2500000	40
Index to topographic atlas sheets	9	49×76	1:2500000	40
Base map	1	18×23	1:7033000	111
Contour map	1	18×23	1:7033000	111
Hypsometric map	1	18×23	1:7033000	111
Base map	1	11×16	1:12925000	204
Massachusetts: Contour map	4	32×50	1:250000	4
Connecticut: Contour map	2	43×54	1:125000	2
Arkansas River: Drainage basin of, in Colorado	2	30×47	1:380160	6

List of combined sheets.

Locality.	Scale.	Contour interval.
		Feet.
New York and vicinity, N. Y	1:62500	20
Albany and vicinity, N. Y	1:62500	20
Rochester, N. Y	1:62500	20
Niagara Falls and vicinity (special), N. Y	1:62500	20
Washington and vicinity (D. C.), Maryland, and Virginia	1:62500	20
St. Louis and vicinity (Mo.) and Illinois	1:62500	20
Sandy Hook and Long Branch, N. J	1:62500	10
Norfolk and Virginia Beach, Va	1:125000	5
Denver and vicinity, Colo	1:125000	50, 100
Yellowstone National Park, Wyo	1:125000	100
Lake Tahoe and vicinity, Cal	1:125000	100

Special maps not in Geologic Atlas of the United States.

Locality.	Scale.	Contour interval.
		Feet.
Aspen, Colo	1:9600	25
Banner Hill, Cal	1:14400	20
Cripple Creek, Colo	1:25000	50
Genesee, Cal	1:31680	50
Grass Valley, Cal	1:14400	20
Indian Valley, Cal	1:65500	100
Nevada City, Cal	1:14400	20
Taylorsville, Cal	1:31680	50

FINDING LISTS.

The following lists show where in the Congressional documents the publications of the United States Geological Survey are to be found:

ANNUAL REPORTS OF THE UNITED STATES GEOLOGICAL SURVEY.

	Congress.	Session.	House.	Volume.	Part.	Number.	Part.	Volume.	Part.
First	46	3	Ex....	10	......	1	5	2	......
Second	47	1	Ex....	11	......	1	5	3	......
Third	47	2	Ex....	12	......	1	5	3	......
Fourth	48	1	Ex....	12	......	1	5	3	......
Fifth	48	2	Ex....	13	......	1	5	3	......
Sixth	49	1	Ex....	13	......	1	5	3	......
Seventh	49	2	Ex....	10	......	1	5	3	......
Eighth	50	1	Ex....	12	1, 2	1	5	3	1, 2
Ninth	50	2	Ex....	13	......	1	5	4	......
Tenth	51	1	Ex....	14	1, 2	1	5	4	1, 2
Eleventh	51	2	Ex....	14, 15	......	1	5	4	1, 2
Twelfth	52	1	Ex....	17, 18	......	1	5	4	1, 2
Thirteenth	52	2	Ex....	16, 17	1, 2	1	5	4	1, 2, 3

MONOGRAPHS OF THE UNITED STATES GEOLOGICAL SURVEY.

Volume.	Congress.	Session.	House.	Volume.	Number.	Part.
I	51	1	Mis...	17	174	......
II	48	2	Mis...	11	35	1, 2
III	47	1	Mis...	17	52	1, 2
IV	47	1	Mis...	16	51	......
V	47	1	Mis...	15	50	......
VI	47	2	Mis..	14	43	......
VII	48	1	Mis ..	37	72	......
VIII	48	1	Mis...	38	73	......
IX	48	1	Mis...	39	74	......
X	49	1	Mis...	2	305	......
XI	49	1	Mis...	2	304	......
XII	49	1	Mis...	27	397	1, 2
XIII	50	1	Mis...	24	610	1, 2
XIV	50	1	Mis...	25	611	......
XV	50	2	Mis...	17	147	1, 2
XVI	51	1	Mis...	37	249	......
XVII	52	1	Mis...	29	60	......
XVIII	52	1	Mis...	30	77	......
XIX	52	1	Mis...	52	342	......
XX	52	1	Mis...	53	343	1, 2
XXI	52	2	Mis...	27	118	......
XXII	53	2	Mis...	5	47	......
XXIII	53	2	Mis...	14	119	......
XXIV	53	2	Mis...	15	120	......

BULLETINS OF THE UNITED STATES GEOLOGICAL SURVEY.

Number.	Congress.	Session.	House.	Volume.	Part.	Number.
1-6 (Vol. I)	48	1	Mis...	36	....	71
7-14 (Vol. II)	48	2	Mis...	16	....	41
15–23 (Vol. III)	49	1	Mis...	1	....	33
24–30 (Vol. IV)	49	2	Mis...	8	....	163
31-36 (Vol. V)	49	2	Mis...	8	....	164
37-41 (Vol. VI)	50	1	Mis...	2	....	375
42–46 (Vol. VII)	50	2	Mis...	11	1	137
47-54 (Vol. VIII)	50	2	Mis...	11	2	138
55–61 With Bulletin No. 55 the arranging by volumes was discontinued.	51	1	Mis...	32	....	244
62–65	51	2	Mis...	15	....	136
66–70	52	1	Mis...	17	....	21
71	52	1	Mis...	17	....	22
72–75	52	1	Mis...	18	....	23
76–80	52	1	Mis...	19	....	24
81, 82	52	1	Mis...	20	....	25
83	52	1	Mis...	20	....	336
84–86	52	1	Mis...	45	....	337
87–89	53	2	Mis...	23	....	176
90–97	53	2	Mis...	24	....	177
98–101	53	2	Mis...	25	....	178
102–106	53	2	Mis...	26	....	179
107–117	53	2	Mis...	27	....	180

MINERAL RESOURCES OF THE UNITED STATES.

Year.	Congress.	Session.	House.	Volume.	Part.	Number.
1882	48	1	Mis...	40	....	75
1883–1884	49	1	Mis...	9	....	36
1885	49	2	Mis...	6	....	146
1886	50	1	Mis...	2	....	42
1887	50	2	Mis...	2	....	4
1888	51	1	Mis...	16	....	230
1889–1890	52	1	Mis...	42	....	296
1891	52	2	Mis...	17	....	83
1892	53	2	Mis...	4	....	38
1893	53	2	Mis...	28	....	181

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